Year 10 Curriculum
2017
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Arts Domain

For further information about subjects in the Arts Domain, please contact the Domain Leader:

Mr Kim Morrison  morrison.kim.d@edumail.vic.gov.au

Subjects offered within the Arts Domain at Year 10 include:

The aim of Arts courses at Year 10 is to provide a means for students to learn ways of expressing their experiences and developing, presenting and understanding ideas, emotions, values and their cultural heritage. They develop, practice and refine techniques, think about their own work as well as that of prominent artists in visual and performing arts. They should learn to take risks in trialling ideas, being imaginative and exploring solutions through performing or presenting.

Curriculum Structure

The Arts Domain is divided into two broad strands - Visual Arts and Performing Arts. Each of these strands is broken into smaller units. The Visual Art strand includes Art, Photography and Visual Communication and Design. Performing Arts includes various Drama and Music studies.

Visual Arts

- AV101– Art Unit 2
- AV104– Photography
- AV105 – Visual Communication and Design

Performing Arts

- AP 101 – Drama – Acting Techniques
- VET Music, please refer to the VET subject information
Visual Arts

AV101 – Art Unit 2

Subject Code: AV101

Previous Year’s Materials & Resources Cost – guide only $38.50

Students focus on the process of creating and interpreting images to express and communicate ideas and feelings. Students work on the theme of “Art in Different Cultures”.

An individual research assignment will cover a broad range of artistic contexts. Students will use a wide range of media such as drawing, painting, print making, silk screening and lino printing.

There will be three assessment tasks.

• The presentation of finished folio work based on the quality of ideas, communication and technical merit of work that demonstrates a variety of skills, techniques and materials.

• A visual diary, which records development of ideas for folio work, planning sketches, progress of class work and practical work and research on artists.

• Research is to be presented as an assignment that looks at artists from Australia and overseas, and artists of the past and the present.

Subject Outcomes

Outcome 1

On completion of this unit the student should be able to source inspiration, identify individual ideas and use a variety of methods to translate these into visual language. (Research tasks and assignments)

Outcome 2

On completion of this unit the student should be able to explore and use a variety of materials and techniques to support and record the development of individual ideas to produce artworks. (Folio and final presentation of artworks)

Outcome 3

On completion of this unit the student should be able to discuss how artists from different times and cultures have interpreted sources of inspiration and used materials and techniques in the production of artworks. (Art theory and analysis)
AV104 – Photography

**Subject Code:** AV104

Previous Year's Materials & Resources Cost – guide only $50.00

In photography the students are encouraged to use the medium to express ideas and feelings using starting points such as observation, experience and research. Students are encouraged to be creative but well organised in their work habits to be successful photographers.

At this level, students should have had some experience of photography. They should produce well-designed pictures, which have meaning and show aspects of their own style. They are required to produce personal statements about issues that they have researched.

An introduction to aspects of digital photography will be provided.

**Subject Outcomes**

Outcome 1

On completion of this unit the student should be able to source inspiration, identify individual ideas and use a variety of methods to translate these into visual language. (Research tasks and assignments)

Outcome 2

On completion of this unit the student should be able to explore and use a variety of materials and techniques to support and record the development of individual ideas to produce artworks. (Folio and final presentation of artworks)

Outcome 3

On completion of this unit the student should be able to discuss how artists from different times and cultures have interpreted sources of inspiration and used materials and techniques in the production of artworks. (Art theory and analysis)

**Assessment**

There will be three assessment tasks:

- A visual diary, which records ideas for images; progress of class work; development and trials of practical work with annotations.
- A series of assignments studying some of the principles of photography and the elements of design.
- Presentation of a folio of images.
AV105 – Visual Communication Design

Subject Code: AV105

Previous Year’s Materials & Resources Cost – guide only $28.50

This unit further develops work in previous units, and aims to extend the individual's ability with visual communication skills. Technical, organisational and planning skills are emphasised, and the design process will be introduced. The use of the Adobe design software will be further extended, and students will have the opportunity to negotiate an area of special interest for their major project.

Areas covered will include freehand drawing, instrumental drawing, and rendering, along with the use of design elements and principles through practical exercises. Students will analyse the designs of others, and make critical judgements on these in terms of design elements and principles.

Assessment

There will be four assessment tasks.

- A folio of Visual Communications
- Developmental work for the folio
- Computer-generated work
- Major project

Subject Outcomes

Outcome 1

On completion of this unit the student should be able to complete instrumental drawings using a range of paraline drawing systems.

Outcome 2

On completion of this unit the student should be able to draw from direct observation, in proportion, and render the drawings.

Outcome 3

On completion of this unit the student should be able to explore and apply design elements and principles to satisfy the design process to develop a visual communication solution to a set task.
Performing Arts

AP101 – Drama – Acting Techniques

Subject Code: AP101
Previous Year’s Materials & Resources Cost – guide only $43.50

The course begins with a review of improvisation techniques, trust exercises and team work.

Students explore Realistic Theatre through a study of Konstantin Stanislavski and Jerzy Grotowski. Through workshops, students explore these directors’ techniques and create their own improvisations, utilising their systems of acting.

Space is examined through a variety of Australian plays. Students study types of theatre spaces and workshop blocking and movement within these spaces and the different effect of each.

In the second term, students choose an Australian play to direct and perform. They will utilise the skills they have developed in the previous term. The play will be performed to classes at the end of term. Class time is used to rehearse, edit and develop their play.

Students view a variety of performances and critically analyse them both verbally and in writing. It is recommended that students attend Board of Studies approved performances and attempt a VCE performance analysis.

Assessment

Workshops:

- Students will need to demonstrate the ability to work as an effective team member, attempt challenging activities and indicate a willingness to maintain and develop concentration. Acting skills are not paramount at this stage.

Workbook:

- Students maintain a record of their work over the semester. Script writing, drafts of performance analysis, photographs, magazine and newspaper articles about performances they have viewed may be included. It is expected that this will be a neat and orderly record.

Performance Analysis:

- Students will critically evaluate a wide variety of performances. Assessment is based on written analysis and constructive verbal criticism.

Students should attempt a VCE performance analysis.

Materials costs: Extra cost may be incurred for attendance at performances.
Subject Outcomes

Outcome 1

On completion of this unit the student should be able to use play-making techniques to devise solo and/or ensemble drama work/s based on experiences and/or stories.

Outcome 2

On completion of this unit the student should be able to use expressive skills, theatrical conventions and stagecraft to perform stories and characters to an audience.

Outcome 3

On completion of this unit the student should be able to analyse the development and performance of work they and others have created.

VCE VET Music Technical Production (Year 10 Subject)

CUS30209 – Certificate III in Music Technical Production

Subject Code: VMU

Previous Years Materials & Resources Costs – guide only

<table>
<thead>
<tr>
<th>Unit</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1 &amp; 2</td>
<td>$100.00</td>
</tr>
<tr>
<td>Unit 3 &amp; 4</td>
<td>$100.00</td>
</tr>
</tbody>
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Provider:

College of Sound and Music Production

This course is delivered within the Kyabram P-12 College timetable

VCE Credit:

CUS30209 Certificate III in Technical Production: will be eligible for up to five units credit towards their VCE: up to three at Units 1 and 2, and a Units 3 and 4 sequence.

Description

The VCE VET Units 1 and 2 core units of competence include developing and updating music industry knowledge and following health, safety and security procedures. Elective units include laying sound tracks, installing, aligning and testing sound equipment and planning a career in music.

The VCE VET Music Industry Units 3 and 4 sequence incorporates units such as operating a sound mixing console and editing sound using digital systems.
English Domain
For further information about subjects in the English Domain, please contact the Domain Leader:

Ms Lyn Eeles  eeles.lynn.r@edumail.vic.gov.au

Subjects offered within the English Domain at Year 10 include:
The English Curriculum in Year 10 aims to develop students’ enjoyment of, and expertise in, using this rich and complex language accurately, appropriately and creatively. A broad range of written, oral and visual material is used to develop the skills of reading, writing, speaking and listening.

Specifically, the English Domain aims to encourage:

- The ability to read independently, with understanding
- The ability to write effectively, for any purpose and audience
- The ability to reason and follow an argument
- The ability to listen with comprehension and appraisal
- The ability to respond to literature and other forms of writing or speech and to discriminate between them
- The ability to take part in activities which involve social interaction
- The ability to independently edit writing for clarity, coherence and correct spelling, punctuation and grammar

Curriculum Structure
Students are required to study English during two semesters of Year 10.

Assessment
All work requirements must be completed and demonstrate sufficient understanding of each outcome to achieve a satisfactory assessment.

EN101 – English

EN102 – English

Subject Code:  EN101 and EN102
The Year 10 English Course is a comprehensive program concentrating on developing literacy skills. It provides a balance of essential skills of reading, writing, speaking and listening and critical thinking. There are three major outcomes.

Outcome 1: On completion of this unit, students can read and view texts, analysing how texts construct meaning and convey ideas and values.

Outcome 2: On completion of this unit, students can write for different purposes and audiences, using particular language features.
Outcome 3: On completion of this unit, students can contribute actively to class and group discussions and justify opinions, developing and expanding their arguments.

In addition, students must keep a work book which consists of notes, class exercises, comprehension exercises, essays and handouts. All students are required to develop English skills through the completion of skill development exercises completed in class and for homework.

**VCE Foundation English**

The Foundation English course is designed for students who may require a more vocationally orientated 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/ESL, VCE Literature, or VCE English Language Units 1–4 and in other VCE studies.

The study design draws on and strengthens the skills gained and the knowledge students have acquired about texts and language in their English studies in Years 7, 8 and 9. It integrates speaking, listening, reading, viewing and writing across all areas of study to enhance students’ knowledge about the structures and functions of written and oral language. The course allows students to improve their skills in comprehending and responding to a variety of texts, and to enhance their communication skills.

The Foundation English course is designed around one compulsory area of study, Essentials of English, and two other areas of study which are selected by the school for study in Units 1 and 2.

**VCE Foundation English Unit 1**

Area of study 1: Essentials of English (compulsory)
This area of study focuses on developing learning strategies and literacy skills. It describes the fundamental understandings and processes students need in order to read and write effectively and identifies learning strategies designed to enhance achievement in English.

Area of study 2: The study of texts

**VCE Foundation English Unit 2**

Area of study 1: Essentials of English (compulsory)

Area of study 2: The analysis and construction of argument
Humanities Domain

For further information about subjects in the Humanities Domain, please contact the Domain Leader:

Mrs Rowena Morris: morris.rowena.c@edumail.vic.gov.au

The Humanities Domain encompasses the broad discipline of History, Geography and Economics. This includes the interaction between groups of people and the ways in which people interact with their environment. Humanities is a varied Domain incorporating a range of traditional disciplines and vocational studies.

Subjects offered within the Humanities Domain at Year 10 include:

Compulsory Units

• HC101 – Careers - Melbourne Orientation and Careers Study
• Students need to choose one other Humanities subject to complete during the year from:
  o HH101 Australians in Conflict
  o HE101 Economics – Money, Money, Money
  o HG101 Geography – The Bigger Picture

History

This program will focus on people; who they are, and their change and continuity over time. Students will actively seek explanations for specific human activity over time. Through a range of activities students will develop skills essential to function in today’s globalised and technology saturated world. These include the ability to interpret, analyse and transform information, the development of critical thinking skills and the creation of personal values.

The program will develop students’ ability to understand, question, debate and critique those elements which have shaped our world through time.

Students will gain an understanding of the impact of past events on present circumstances and the way in which no event in history occurs in isolation. There are two electives offered:

HH101 – History – Australians in Conflict

Subject Code: HH102

Previous Year’s Materials & Resources Cost – guide only $12.00

In this unit, students critically analyse and study the effects of Australia’s involvement in the Second World War. This includes a study of the factors which contributed to the creation of Nazi Germany and led to the outbreak of war. Students will examine the two main theatres of war – the War in Europe and the War in the Pacific. Students also examine the context of the Cold War, including the division of Europe after World War Two, the Cuban Missile Crisis and the proxy wars in Korea and Vietnam. Through this, students investigate the way in which Australian political,
economic, environmental and social contexts were changed as a result of the Cold War. After investigating 20th Century military conflicts, students then examined a range of human rights movements during the 20th Century, with a focus on the ongoing Australian Indigenous Civil Rights movements.

Subject Outcomes
Outcome 1: On completion of this unit, students will be able to explain the factors which led to World War Two and Australia's role in this conflict.

Outcome 2: On completion of this unit, students will have examined the Cold War and its impact on Australian society.

Outcome 3: On completion of this unit, students will be able to explain the significance of a range of human rights movements during the 20th Century.

Commerce

Economics
The study of Economics at Year 10 allows students to explain why and how governments manage economic performance to improve living standards. They investigate variations in economic performance and standards of living with and between economies. Students analyse factors that influence consumer and financial decisions and explain their short and long-term effects. They explain how businesses improve productivity and respond to changing economic conditions. Students evaluate the effect of workforce management on business performance.

Elective subject offered:

HE101 – Money, Money, Money

Previous Year’s Materials & Resources Cost – guide only $12.00

Subject Outcomes
Outcome 1: On completion of this unit, students will be able to demonstrate knowledge of the possible economic consequences of actual and/or proposed policies on the economy, society and the environment.

Outcome 2: On completion of this unit, students will be able to play the Sharemarket Game, demonstrating knowledge of the operation of the sharemarket.

Outcome 3: On completion of this unit, students will be able to demonstrate the use of economic analysis skills through the completion of a range of workbook activities.

Geography

This program seeks to enhance and develop student knowledge of our society and its environment as well as that of other societies, giving an Australian and global perspective. It closely examines human interaction with the environment, constructed and natural, in different places and times, and looks at the current state of the environment and the cost of abusing it.
Students will also focus on investigating people’s interaction with each other and will examine the many factors that shape and determine the development of this and other societies.

The program will provide students with the opportunity to develop knowledge, skills and values which enable them to participate as active and informed citizens in a democratic society and as a global community.

Elective subject offered:

- HG101 – Geography – The Bigger Picture

**Geography**

**HG101 – Geography – The Bigger Picture**

**Subject Code:** HG101

Previous Year’s Materials & Resources Cost – guide only $12.00

There are two contexts studied in Year 10 Geography: *Environmental change and management* and *Geographies of human wellbeing.*

**Environmental change and management** focuses on investigating environmental geography through an in-depth study of a specific environment. The contexts begins with an overview of the environmental functions that support all life, the major challenges to their sustainability, and the environmental worldviews including those of Aboriginal and Torres Strait Islander Peoples that influence how people perceive and respond to these challenges. Students investigate a specific type of environment and environmental change in Australia and one other country. They apply human environment systems thinking to understand the causes and consequences of the change and geographical concepts and methods to evaluate and select strategies to manage the change.

**Geographies of human wellbeing** focuses on investigating global, national and local differences in human wellbeing between places. This context examines the different concepts and measures of human wellbeing, and the causes of global differences in these measures between countries. Students explore spatial differences in wellbeing within and between countries, and evaluate the differences from a variety of perspectives. They explore programs designed to reduce the gap between differences in wellbeing. These distinctive aspects of human wellbeing are investigated using studies drawn from Australia, India and across the world as appropriate.

Elective subject offered:

- HG101 – Geography – The Bigger Picture

**Subject Outcomes**

**Outcome 1:** Students will be able to demonstrate acquisition of a range of geospatial skills through the completion of a range of workbook activities.

**Outcome 2:** Students will be able to apply their knowledge to evaluate and select strategies to manage environmental change.
**Outcome 3:** Students will be able to evaluate and explain the global, national and local differences in human wellbeing.
Compulsory Subject

HC101 – Careers– Melbourne Orientation & Careers Study

Subject Code: HC101

This unit of work involves three aspects:

• A student investigation of preferred career options and their required steps to achieve their desired career pathway.

• An opportunity to complete a week of work experience either in Melbourne, or locally and investigate the option of studying / training away from home.

• Preparing students for employment and developing their skills in job seeking, application writing and interview technique.

The purpose of the work experience camp in Melbourne is to provide access to a greater variety of workplace opportunities, improve student confidence with public transport and their understandings associated with the responsibility of having a job. The Melbourne camp will cost approximately $250.00

Subject Outcomes

Outcome 1: Upon completion of this unit, students will be able to understand the relationship between possible career paths and the factors affecting employment choices such as personal skills, interests and attributes.

Outcome 2: Upon completion of this unit, students will be able to define vocational pathways, and education and training requirements for possible career options.

Outcome 3: Upon completion of this unit, students will be able to identify skills and strategies for the transition to employment or further education and training through work experience.
Health and Physical Education Domain

For further information about subjects in the Health and Physical Education Domain, please contact the Domain Leader:

Mr Mark Ogden  ogden.mark.l@edumail.vic.gov.au

Subjects offered within the Health and Physical Education Domain at Year 10 includes:

- HP101 – Coaching Leadership and Sport Psychology
- HP102 – Physical Education and Sports Science
- HP103 – Health and Nutrition

Career Pathways

Sports Coaching, Sports Trainer, Sports Massage, Sport Management, Exercise Science, Biomechanist, Teaching, Fitness Instructor, Fitness Advisor, Police Officer, Armed Forces, Physiotherapy, Osteopathy, Paramedic, Nursing, Health Promotion, Sports Psychology, Nutritionist, Social Worker, Nursing, Doctor, Teaching, Health Psychologist, Mental Health Nurse, Health Surveyor, Child Care, Welfare, Drug and Alcohol Counsellor, Youth Worker, Health Promotion Officer,

Health Education, Community Health Officer, Family and Community Support, Health Marketing, Health and Sport Public Relations, Health Policy Development

VCE Pathway

VCE Physical Education

VCE Health & Human Development

HP101 – Coaching, Leadership and Sport Psychology

Subject Code:  HP101

Previous Year's Materials & Resources Cost – guide only $40.00

This elective provides students with the opportunity to complete the ‘General Principles of Coaching Course’ which is a nationally recognised qualification. While this course is practical in nature, there is a theoretical component. Students will also receive general leadership training which focuses on public speaking, development of time management, organisation and communication skills. The aim of this course is to extend those students who have excelled in Physical Education by further developing their leadership and coaching skills.

Students will consider the characteristics of leadership, set goals and implement an action plan to achieve improved leadership skills. All students will take responsibility for coaching a sports team outside of class time.

Students will also study the psychology of sport and the role that the mind has in improving sporting performance
**Sports Psychology**
Motivation
Arousal
Mental Rehearsal
Visualisation

**Coaching and leadership**
The role of the coach
Styles of coaching
Skill development in selected sports
Peer teaching
Designing skill progressions
Conducting a games analysis

**Roles and tactics in sporting environments**
Games plans, tactics and strategies
Sporting conduct
Roles in performance

**Playing it safe**
Outdoor activities
Risk assessment
Emergency Aid
Sports injuries

**Assessment**
Assessment for this elective includes a combination of the following tasks:

- Australian Sports Commission Coaching Course (online)
- Workbook
- Weekly coaching sessions
- Topic tests and/ or assignments
- Exam
Subject Outcomes
These subject outcomes have not been formulated yet, and will be given to the students when they start the unit.

HP102 – Physical Education and Sports Science

Subject Code:  Hp102
Previous Year’s Materials & Resources Cost – guide only $40.00

Physical Education explores a broad range of activities which investigates the role of sports science in Physical Education

The theory component will examine the Energy Systems for physical activity, Fatigue Mechanisms, Diet and recovery practices, fitness and training principles.

The practical component for this elective will allow students to use training methods to improve their fitness level, and participate in sports, games, recreational and leisure activities.

Energy Systems
ATP-PC Muscular

Anaerobic

Glycolysis

Aerobic System

Fatigue from physical activity
Dehydration Fuel

Fuel depletion

Lactic acid

Accumulation

Recovery From exercise
Stretching

Rehydration and sports drinks

Hot and cold therapy Massage

Fitness and training principles
Steps in designing a training program

Goals
Fitness components Conducting a fitness analysis
Planning a training program
Types of training
Evaluation of training

Assessment
Assessment for this elective includes a combination of the following tasks:

- Workbook
- Practical laboratory report
- Australian Sports Commission Sports Psychology Course (online)
- Fitness and training program/diary
- Topic tests and/or assignments
- Exam

Subject Outcomes
These subject outcomes have not been formulated yet, and will be given to the students when they start the unit.

HP103 – Health and Nutrition

Subject Code: HP103

Previous Year’s Materials & Resources Cost – guide only $40.00

Students undertaking the Health & Nutrition elective will learn to use simple health data to identify the major causes of illness and injury in Australia. They will investigate personal behaviours and community actions that may contribute to the health of specific groups.

This elective will also examine mental health issues relevant to young people and consider the importance of family and friends in supporting their mental health and emotional health needs. Students will examine the relationship between nutrition and stages of growth and development, and the eating practices associated with different stages in life. They will learn to analyse the links between diet and current community health issues, and consider special dietary needs, and ways of improving their own diet.

The practical component for this elective will include guest speakers from a range of health professions and excursions to local health facilities.

All about our health
Getting to know about health and your classmates

Examining the health of Australians
Cause of illness, injury and death

Health concerns of young people, including smoking, drinking and asthma

Personal behaviours and community action to protect health

Finding out about Medicare and bulk-billing

Mind matters
Understanding mental illness

The difference between mental health and mental illness

Communication, changes and challenges

Stress and coping

Loss and grief

Why your family and friends are good for your mental health

How bullying relates to mental health disorders

The facts about mental illnesses

Nutritional requirements, trends and influences
Foods that are good for you

Nutrient requirements across the lifespan

The difference between food allergies and food intolerances

The facts behind fad diets

The GI of foods

The trends in our eating patterns

Influences on what we eat, focusing on family and labelling

Assessment
Assessment for this elective includes a combination of the following tasks:

- Workbook
- Class discussion
- ‘My say’
- Case study
- Nutrition diary
- Topic tests and/ or assignments
• Exam

*Subject Outcomes*

These subject outcomes have not been formulated yet, and will be given to the students when they start the unit.
Information and Communication Technology (ICT)

TI101 – Computer Programming

Subject Code:  TI101
Previous Year’s Materials & Resources Cost – guide only $18.50

This course introduces students to computer programming using a range of programming codes. Students will learn the fundamental concepts of software application development and develop skills in designing and writing simple/complex computer programs.

The course covers such topics as programming language characteristics, algorithms, variables and operators, conditional statements, looping statements, procedures and user interface design. Assessment for the subject is based on practical class participation, written evaluation of practical classes and assignments related to theory classes. The subject is suited to students who are good in mathematics and problem solving.

Assessment:
Students will produce a number of small assessment pieces for each software package. A major project showcasing their skills through a digital portfolio.

Subject Outcomes
Outcome 1: Completion of a range of classroom tasks relevant to the program or language using.

Outcome 2: Completion of an individual project.

Outcome 3: Completion of a self-evaluation of an individual project

TI102 – Multimedia

Subject Code:  TI102
Previous Year’s Materials & Resources Cost – guide only $50.00

Every time we turn on the television, tune our radios or go to the cinema we are confronted by an ever-increasing sonic soundscape and endless variety of computer-animated magic. It is booming and ever changing industry and in this course you will be introduced to a number of hardware and software packages used in the field.

A number of hardware will be utilised throughout the semester including digital still and video camera, scanner and projectors. Software packages include the Adobe suite of Photoshop, Flash, Premiere Pro and After Effects.

The type of student who may want to consider this study is interested in drawing and design, has an interest in computer technology and is, perhaps considering a career in this field.
Assessment:
Students will produce a number of small assessment pieces for each software package. A major project must be completed showcasing their skills and creativity through the software of their choice.

Subject Outcomes
Outcome 1: Completion of a range of classroom tasks relevant to the program being used.
Outcome 2: Completion of a major project.
Outcome 3: Completion of a self-evaluation of an individual project.
Languages Domain
For further information about subjects in the Languages Domain, please contact the Domain Leader:

Ms Jan Auld auld.janis.m@edumail.vic.gov.au

Subjects offered within the Languages Domain at Year 10 include:
The study of French or Indonesian is an elective at Year 10. Language studies may be continued for one semester (Unit 7), but it is strongly recommended that students choosing a language at this level select both Unit 7 and 8 (i.e. two semesters) if they intend to pursue their language studies to VCE, so as to ensure that they are well prepared for the challenges and rewards of VCE.

Prospective VCE students who begin their VCE studies at VCE Unit One will be expected to have completed a minimum of five semesters of study by the end of Year 10.

Students considering fast-tracking to VCE need to consult with their teachers

- LF101 – French – Unit 7
- LF102 – French – Unit 8
- LI101 – Indonesian Unit 7
- LI102 – Indonesian Unit 8

French

LF101 French Unit 7

Subject Code: LF101

Previous Year's Materials & Resources Cost – guide only $15.00

Unit 7 is designed for students who expect to continue their study of French at VCE level.

In this unit, you will continue to extend your knowledge and ability in French. The unit will be arranged into a variety of topics relating to young people, their interests and problems, along the same lines as the VCE French course.

Topics are selected according to student interest, and include such themes as French cuisine, daily Activities, Health and contemporary French society.

Assessment

Assessment is similar to the VCE. Students complete a variety of Work Requirements such as reading a short passage aloud in French, performing a short dialogue or sketch, writing a diary entry or a postcard and writing short essays on various topics.
Subject Outcomes
Outcome One
A folio of extended writing pieces.
Outcome Two
A selection of reading and spoken texts from which information and opinions are extracted.
Outcome Three
A series of conversations and oral presentations.

LF102 French Unit 8

Subject Code: LF102
Previous Year’s Materials & Resources Cost – guide only $15.00

Unit 8 is designed for students to complete their preparation for study of French at a VCE level.

In this unit, you will continue to extend your knowledge and ability in French. The unit will be arranged into a variety of topics relating to young people, their interests and problems, along the same lines as the VCE French course.

Topics are selected to student interest and include such themes as Cuisine, Holidays, Fashion and Adolescent Issues.

Subject Outcomes
Outcome One
A folio of extended writing pieces.
Outcome Two
A selection of reading and spoken texts from which information and opinions are extracted.
Outcome Three
A series of conversations and oral presentations.
Indonesian

LI101 Indonesian Unit 7

Subject Code: LI101
Previous Year’s Materials & Resources Cost – guide only $15.00

Course Outline
This unit is designed for students to ensure that they are best prepared for the challenges and rewards of VCE. Student will further develop their skills in listening, speaking, reading and writing.

Assessment
- Listening and Speaking: Listening comprehension tests, speaking tests, role plays, participation in classroom activities.
- Reading and Writing: Unit tests, vocabulary tests, class work.

Subject Outcomes
Outcome One
A folio of extended writing pieces.

Outcome Two
A selection of reading and spoken texts from which information and opinions are extracted.

Outcome Three
A series of conversations and oral presentations.

LI102 Indonesian Unit 8

Subject Code: LI102
Previous Year’s Materials & Resources Cost – guide only $15.00

Course Outline
This is the second unit designed for students to ensure that they are best prepared for the challenges and rewards of VCE. Students will further develop their skills in listening, speaking, reading and writing.

Assessment
- Listening and Speaking: Listening comprehension tests, speaking tests, role plays, participation in classroom activities.
- Reading and Writing: Unit tests, vocabulary tests, class work.
Subject Outcomes

Outcome One

A folio of extended writing pieces.

Outcome Two

A selection of reading and spoken texts from which information and opinions are extracted.

Outcome Three

A series of conversations and oral presentations.
Mathematics Domain
For further information about subjects in the Mathematics Domain, please contact the Domain Leader:

Mrs Lisa Stevens  
stevens.lisa.l@edumail.vic.gov.au

Overview:
The Mathematics curriculum aims to:

• Foster an interest and appreciation of mathematics and its’ applications through the provision of a variety of learning experiences and activities.
• Provide opportunities for students to learn the logical thought processes necessary to solve problems.
• Form objective conclusions in a variety of situations at home, school and in the workplace.
• Develop independent thinking and the skills necessary for potential vocations.
• Students will receive explicit teaching that will assist them in improving their understanding of mathematical concepts and operations.
• Provide challenges and opportunities for advancement for students who show exceptional abilities in understanding concepts and operations in mathematics.
• Provide and modify mathematics programs for students where appropriate.

Curriculum Structure:
Students are required to study Mathematics - Core during each semester of Year 10.

Enrichment mathematics is offered as an elective in Year 10 and is designed for students who wish to challenge their mathematical ability further.

Students with exceptional mathematics ability are encouraged to select Enrichment Maths MA103 in Semester 2. Student need to discuss this with their teachers.

• MA101 - Mathematics - Core
• MA102 – Mathematics – Core
• MA103 – Enrichment Mathematics
• MC101 – Connections Mathematics – Core if MA101 or MA102 not completed

Mathematics

Subject Code:  MA101 or MA102
Previous Year’s Essential Education Cost – guide only $25.00

This is a Core unit and students must complete this unit. These units develop the following areas:
• Measurement: perimeter, area, volume and trigonometry

• Chance and data: the use of tree diagrams, probability and statistics

• Algebra equations and linear graphs, quadratic equations, families of curves and simultaneous equations.

• Mathematical tools and procedures using the calculator, problem solving and investigations and modelling of real life situations.

• Number: financial mathematics

Assessment
• Skills and Application
• Projects and Investigations
• Class Work
• Homework
• Use of technology

Subject Outcomes
Outcome 1: On completion of this unit, students will be able to define and explain key concepts, and apply a range of related mathematical routines and procedures.

Outcome 2: On completion of this unit, students will be able to select and apply mathematical facts, concepts, models and techniques to investigate and analyse extended application problems in a range of contexts.

Outcome 3: On completion of this unit, students will be able to select and use appropriate functionalities of technology in routine applications and to develop mathematical ideas, produce results and carry out analysis in situations requiring problem-solving, modelling or investigative techniques or approaches.

Enrichment Mathematics

Subject Code: MA103
Previous Year’s Materials & Resources Cost – guide only $15.50

This unit will provide an opportunity for more able students to extend their mathematical skills. It is highly recommended for students considering studying Mathematical Methods at VCE level in the future.
Areas of Study

- Problem solving
- Algebra
- Geometry

The emphasis of the course will be on using graphs, algebra, spreadsheets and CAS calculator to solve problems in a mathematical way.

Some possible topics also include:

- Patterns leading to combinatorics
- Minimisation problems including linear programming
- Mathematical proofs

Assessment

- Skills and Application
- Projects and Investigations
- Class Work
- Homework
- Use of technology

Subject Outcomes

Outcome 1: On completion of this unit, students will be able to define and explain key concepts, and apply a range of related mathematical routines and procedures.

Outcome 2: On completion of this unit, students will be able to select and apply mathematical facts, concepts, models and techniques to investigate and analyse extended application problems in a range of contexts.

Outcome 3: On completion of this unit, students will be able to select and use appropriate functionalities of technology in routine applications and to develop mathematical ideas, produce results and carry out analysis in situations requiring problem-solving, modelling or investigative techniques or approaches.
Science Domain

For further information about subjects in the Science Domain, please contact the Domain Leader:

Mrs Rowena Morris: morris.rowena.c@edumail.vic.gov.au

Science at Kyabram P-12 College has two major themes for our students:

1. Science Understanding

   • Developing understanding of:
     o Science as a Human Endeavour
     o Biological Science
     o Chemical Science
     o Earth and Space Science
     o Physical Science

2. Inquiry Skills

   • Developing skills in observation, recording information and problem-solving and communicating scientific findings to others.

Curriculum structure

Students in year 10 are required to study one compulsory unit of science from the range of units offered.

Assessment

In each unit, the assessment tasks will include some or all of the following:

• Research assignments
• Individual and group projects
• Experimental reports
• Oral and multimedia presentations
• Homework
• Tests

Subjects offered within the Science Domain at Year 10 include:

• SC101 – Pre-VCE Science
• SC104 – Chemistry
• SC103 – Biology
• SC105 – Physics
SC101 – Pre-VCE Science – Year 10

Subject Code: SC101

Pre-VCE Science units include aspects of Biology, Chemistry, Physics and Earth Sciences. Students are expected to develop their knowledge of scientific concepts related to their everyday lives. Practical, analytical and problem solving skills are developed as well as safety procedures and knowledge of the use of appropriate science equipment.

Topics studied in this unit are: Chemical reactions; chemical bonding; the periodic table structure; forces; motion; genetics and evolution; the Big Bang theory; global systems; conservation of energy; The future of science and its role in society.

Subject Outcomes

Outcome 1

Demonstrate an understanding of the topics covered in Pre-VCE Science and the ability to apply this understanding to both familiar and unfamiliar situations.

Outcome 2

Complete a number of written experimental reports using a common format to identify the task, make predictions, record measurements and observations, analyse and interpret results and draw appropriate conclusions.

Outcome 3

Demonstrate an ability to operate safely and competently in the Science Laboratory using a variety of equipment, machines and technology.

SC104 – Chemistry

Subject Code: SC104

Previous Year’s Materials & Resources Cost – guide only $30.00

Elective Science units at Year 10 allow students to further develop their knowledge and skills in contemporary areas of science. Students are expected to demonstrate a high level of skill in carrying out and reporting the outcomes of practical exercises and investigations. They will develop skills in understanding scientific ideas, contribute to class discussions and operate safely at all times.

Topics studied in this unit are: What are chemicals; Using chemicals for heating and cooling; Useful chemical properties; Acids and bases; Chemical changes; Organic chemistry.
Subject Outcomes

Outcome 1

Demonstrate an understanding of the topics covered in SC30 Chemical Reactions at Work and the ability to apply this understanding to both familiar and unfamiliar situations.

Outcome 2

Complete a number of written experimental reports using a common format to identify the task, make predictions, record measurements and observations, analyse and interpret results and draw appropriate conclusions.

Outcome 3

Demonstrate an ability to operate safely and competently in the Science laboratory using a variety of equipment, machines and technology.

SC103 – Biology

Subject Code: SC103

Previous Year's Materials & Resources Cost – guide only $30.00

Elective Science units at Year 10 allow students to further develop their knowledge and skills in contemporary areas of science. Students are expected to demonstrate a high level of skill in carrying out and reporting the outcomes of practical exercises and investigations. They will develop skills in understanding scientific ideas, contribute to class discussions and operate safely at all times.

Topics studied in this unit are: Microbes in industry and medicine; Gene inheritance and diseases; Genetic engineering and applications to forensic science, agriculture and medicine.

Subject Outcomes

Outcome 1

Demonstrate an understanding of the topics covered in Microbes and Genetics and the ability to apply this understanding to both familiar and unfamiliar situations.

Outcome 2

Complete a number of written experimental reports using a common format to identify the task, make predictions, record measurements and observations, analyse and interpret results and draw appropriate conclusions.

Outcome 3

Demonstrate an ability to operate safely and competently in the Science laboratory using a variety of equipment, machines and technology.
SC105 – Physics

Subject Code: SC105

Previous Year’s Materials & Resources Cost – guide only $30.00

Elective Science units at Year 10 allow students to further develop their knowledge and skills in contemporary areas of science. Students are expected to demonstrate a high level of skill in carrying out and reporting the outcomes of practical exercises and investigations. They will develop skills in understanding scientific ideas, contribute to class discussions and operate safely at all times.

Topics studied in this unit are: Motion, Bridge design and building; Flight: Rockets; Generating power using water and wind.

Subject Outcomes

Outcome 1
Demonstrate an understanding of the topics covered in Structures, Motion and Power and the ability to apply this understanding to both familiar and unfamiliar situations.

Outcome 2
Complete a number of written experimental reports using a common format to identify the task, make predications, record measurements and observations, analyse and interpret results and draw appropriate conclusions.

Outcome 3
Demonstrate an ability to operate safely and competently in the Science laboratory using a variety of equipment, machines and technology.

SC102 – Agriculture and Natural Resource Management

Subject Code: SC102

Previous Year’s Materials & Resources – guide only $34.00

Elective Science units at Year 10 allow students to further develop their knowledge and skills in contemporary areas of science. Students are expected to demonstrate a high level of skill in carrying out and reporting the outcomes of practical exercises and investigations. They will develop skills in understanding scientific ideas, contribute to class discussions and operate safely at all times.

Topics studied in this unit are: Plant and animal production; Landcare; Salinity: Water and irrigation management; Agroforestry
**Subject Outcomes**

**Outcome 1**

Demonstrate an understanding of the topics covered in SC106 Agriculture and Resource Management and the ability to apply this understanding to both familiar and unfamiliar situations.

**Outcome 2**

Complete a number of written experimental reports using a common format to identify the task, make predications, record measurement an observations, analyse and interpret results and draw appropriate conclusions.

**Outcome 3**

Demonstrate an ability to operate safely and competently in the Science laboratory using a variety of equipment, machines and technology

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**SC106 – Psychology**

**Subject Code:** **SC106**

Previous Year’s Materials & Resources Cost – guide only $25.00

In this unit, you will be introduced to the scientific discipline of Psychology as the study of human thoughts, feelings and behaviours. You will develop the understanding that Psychology is a broad field of Science that is very relevant to your everyday life. This unit introduces the various fields of Psychology through practical and contemporary topics.

Topics that may be covered include:

- What is Psychology?
- Dreams and sleep
- Verbal and “Non-Verbal” Communication

**Subject Outcomes**

**Outcome 1**

Application of correct Scientific Method.

**Outcome 2**

Knowledge and understanding of key Psychological theories and principles.
Technology Domain
For further information about subjects in the Technology Domain, please contact the Domain Leader: Mr Peter Aitken aitken.peter.d@edumail.vic.gov.au

Subjects offered within the Technology Domain at Year 10 include:

- Design Creativity and Technology
- TA101 – Systems Automotive
- TE101 – Systems Electronics
- TF101 – Future Food
- TM101 – Materials – Metal
- TA103 – Kick Start
- TT101 – Garment Construction
- TW101 – Materials – Wood
- Information and Communications Technology (ICT)
- TI101 – Computer Programming
- TI102 - Multimedia
- Design Creativity and Technology

TA101 – Systems Automotive

Subject Code: TA101
Previous Year’s Materials & Resources Cost – guide only $47.50

This unit is based on learning the major components and functions of these components in a motor vehicle.

Students will broaden this knowledge with practical experience on the vehicles within the workshop, completing set tasks e.g. service procedures / brake adjustments / fan belt / clutches / wheels and tyres / batteries.

Learning Outcomes
Outcome 1

On completion of this unit, students can investigate and design a model.
Outcome 2

On completion of this unit, students can produce a product.

Outcome 3

On completion of this unit, students can evaluate the production and performance of their product.

**TE101 – Systems Electrical**

*Subject Code: TE101*

Previous Year’s Materials & Resources Cost – guide only $46.50

This unit aims to reinforce the correct and safe use of workshop equipment and to introduce students to basic electronic components.

Students will be involved in the design and construction of at least three projects, two of which are on printed circuit boards using integrated circuits and discrete electronic components such as resistors, capacitors, transistors and similar devices.

*Subject Outcomes:*

Outcome 1

Students will produce at least 2 working electronic models that involve the production of printed circuit boards.

Outcome 2

Students will submit an assignment with each working project that includes the aim, how the project works and detailed evaluation of production and performance of the project.

Outcome 3

Students will complete to a satisfactory standard an assignment on electronic components including basic electronic components as well as integrated circuits.

**TF101 – Future Food**

*Subject Code: TF101*

Previous Year’s Materials & Resources Cost – guide only $127.00

This unit provides students with the opportunity to research changes in patterns of food consumption in Australia.
Influences on these changes include:

- Food Promotion / Marketing
- Food Modification
- Food Packaging
- Food Technology

Student will develop knowledge and skills in these areas to enable informed decision making relating to diet and nutritional practices.

Subject Outcomes
Outcome 1
Participate actively in a range of practical classes.

Outcome 2
Students complete satisfactory evaluations for a range of practical classes.

Outcome 3
Students complete a major assignment to a satisfactory standard.

TM101 – Materials Metal

Subject Code: TM101
Previous Year’s Materials & Resources Cost – guide only$87.50

Students work in skills areas of metal lathe, MIG and oxy-acetylene welding, sheetmetal, tube bending and screw cutting.

Students are encourages to further develop their design and problem solving abilities with a major project.

The course also looks at the introduction of CAD as part of the design process.

Learning Outcomes

Outcome 1
On completion of this unit, students can investigate and design a model.

Outcome 2
On completion of this unit, students can produce a product.

Outcome 3

On completion of this unit, students can evaluate the production and performance of their product.

**TA103 – Kick Start – Driver Training**

*Subject Code:* TA103

Previous Year’s Materials & Resources Cost – guide only $127.00

This unit aims to offer students a course which deliberately targets car safety. Focus is primarily on issues that young people encounter today and gaining confidence driving a car. The course content will utilise the ‘Keys Please’ and other road safety initiatives to ensure students are focussed on topics that relate to today. All students will be assisted to gain their L plates and they are also expected to complete one hour of driving instruction with our local driving tutors.

**Focus Topics:**

- The Dashboard
- Under the Bonnet
- Preventative Maintenance
- Changing a car tyre
- Automatics. Manual Gears
- Buying a second hand car
- Road Rules
- Motivation 2 using interactive CD_ROM
- Driver Training
- Keys Please
- Fatal Vision, Alcohol and Drug Simulation Goggles

**Learning Outcomes**

**Outcome 1**

On completion of this unit, students can complete practical driving lessons to enhance their skills controlling a car.

**Outcome 2**
On completion of this unit, students can complete three written assignments and an oral presentation.

Outcome 3

On completion of this unit, students can complete three online learner driver tests.

**TT101 – Garment Construction**

*Subject Code: TT101*

*Previous Years: TF07 or TF08 essential*

Previous year’s Materials & Resources Cost: guide only $45.00

*Materials Costs: In addition to the Essential Education Cost the student will supply all the fabrics, patterns, and sewing notions by week 3 of the semester after consultation with the teacher.*

In this unit you have the freedom to choose the type of garment you wish to make (skirt, shirt, dress, PJ’s), the colour and type of fabric.

You must of course consult with your teacher to ensure the garment you choose is appropriate to your skill level yet challenging enough to develop your skills further. You will also be encouraged to learn sewing terminology by learning how to follow pattern instructions, all of which will enable you to sew independently.

It is expected that the students will complete two garments over the semester. Utilisation of technological equipment such as the sewing machine, and overlocker is encouraged. Students are also required to evaluate their progress and their completed garment.

*Subject Outcomes:*

Outcome 1

Use of the sewing machine/overlocker

Outcome 2

Knowledge and understanding of the techniques and terminology

Outcome 3

Completion of 2 garments
TW101 – Materials - Wood

*Subject Code:* TW101

Previous Year’s Materials & Resources Cost – guide only$37.50

Students work on expanding previously developed skills with the additional construction of a door or drawer incorporated into the model. Students must construct a major model i.e. desk, wall unit, trophy case or two or more minor models i.e., bookshelf, spice rack, wooden toys/games

*Learning Outcomes*

**Outcome 1**

On completion of this unit students can handle tools and equipment in a safe and confident manner.

**Outcome 2**

On completion of this unit students can investigate, design and draw working plans for a model to be completed.

**Outcome 3**

On completion of this unit students completed and evaluated their product.