Diamond Valley College

Year 10 2021

Course Handbook
# Table of Contents

Introduction

Expectations of Students

Year 10 Program

  Program requirements

  Compulsory Subjects

  Elective Subjects

  Can Year 10 students do a VCE subject?

  Eligibility for the VCE (Baccalaureate)

  Confirming Your Course

  Material Intensive Electives

  Sample Course Selection Form

Enhancement Studies – Advanced Placements

Core Subjects

  English

  Mathematics

  Standard Mathematics

  Advanced Mathematics

  Physical Education and Health

  Developing Health

  Bodies in Motion

Elective Subjects - Inquiry units

  High Resolves Global Leadership Program

  Unleashing the Powers of Science and Mathematics

  Reason, Madness and Imagination

  The Contemporary World

  The Future is Now

  Safe Driver Education

Elective Subjects - Art

  Art

  Visual Communication Design

Elective Subjects - Design Technologies

  Food Technology

  FASHION by DESIGN

  Wood & Metal

Elective Subjects - Digital Technologies

  Digital Technologies

  3D Product Design Printing.

Elective Subjects - Humanities

  Crime And Punishment, Politics (Civics)

  Modern Times (History)

  Poverty And Wealth (Business)

  Wellbeing and the World Around Us

Elective Subjects - Languages

  Immerse Yourself To Italy

Elective Subjects - Performing Arts

  Exploring The World Of Music

  Drama

Elective Subjects - Science

  Chemistry Of Life

  Collisions And Explosions

  Predators And Psychopaths

Elective Subjects – VET

  VET Certificate III Screen And Media (Games Development)

  VET CERTIFICATE III Sport & Recreation
Introduction

Dear Students and Parents,

In Year 10 students at Diamond Valley College become part of the senior school where the key values of respect, excellence and responsibility remain paramount to the college ethos. Students have reached an important milestone in their lives when they consider their education in terms of essential requirements for their future pathway and career.

This Handbook contains all the information you need to choose your course for next year. It outlines the Year 10 Curriculum offered at the college from all Domains. It also provides information about enhancement studies where students can access VCE subjects as part of their program.

The teachers have developed a curriculum that will meet the educational needs of students whilst at the same time, engage them in positive and interesting learning. The Year 10 curriculum has been aligned to the senior program to give students optimal opportunities to achieve their personal best in their learning.

Any uncertainty about career direction or subject choice should be directed to the Careers Co-ordinator or the Senior Sub-school staff. College staff members are always available to assist students with their pathway planning. The senior sub-school team, home group teachers and the careers staff will continue to support students through to their final placement in a tertiary course, apprenticeship, training or employment.

We do hope that you enjoy your journey over the next few years.

Senior Sub-School Team

Expectations of Students

The Senior Sub School at Diamond Valley College includes Year 10 and the VCE/VCAL Years 11 and 12. Students enrolled in the Senior School are expected to display high standards of behaviour and due to their senior position in the school act as appropriate role models to junior students.

General Information

Students are expected to take considerable responsibility for their learning by participating actively in and reflecting upon their academic work.

It is their responsibility:

- To meet attendance requirements for all classes
- To work constructively and purposefully in all classes
- To be punctual to school and class
- To complete all set work in the prescribed way by the due date
- To ensure that all work is their own
- To find out about and complete the work missed through absence
- To use their College Planner in an effective manner
- To manage their study and research time effectively outside school contact hours. In year 10 this is expected to be 1-2 hours minimum per subject per week.
Year 10 Program

Diamond Valley College values providing students with choice so that individual strengths and interests can be the basis for the pathway to be followed. This also increases student engagement in their learning. At Year 10 this is provided through a broad elective program.

Program requirements

Students in Year 10 study 12 subjects over the year with English, Mathematics, Physical Education and Health compulsory for the whole year and Science Subject for half a year.

Compulsory Subjects

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Sessions/week - Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>5 – Full Year</td>
</tr>
<tr>
<td>Mathematics</td>
<td>5 – Full Year</td>
</tr>
<tr>
<td>Physical Education and Health/Sports Academy</td>
<td>5 – Full Year</td>
</tr>
<tr>
<td>Science</td>
<td>5 – Half Year</td>
</tr>
</tbody>
</table>

Elective Subjects

The rest of a student’s program is made up of electives subjects that come from across other subject areas including VETis and Unit 1 & 2 subjects.

Students must choose six (6) subjects following the selection rules:

- You cannot choose more than 2 subjects from a Domain.
- You must do both Language subjects 1 and 2 in Year 10. This class is worth 2 units.
- You may include a Year 11 subject (2 units) as part of your elective choice but you must meet the selection criteria. You must submit your application for advance placement for to the Senior Sub-School Leader Rebecca Taylor

Can Year 10 students do a VCE subject?

Students who meet criteria related to high levels of achievement, application and organization may be offered enrolment in one VCE Advanced Placement subject. A VCE subject must be taken for two semesters. Students choosing an Advanced Placement subject should not choose a Year 10 subject from the same area of study. Applications are made initially on the year 10 elective selection sheet to undertake an advanced placement.

Selecting a Balanced Program:

Students should select subjects according to their strengths, interests and their likely Year 11 and 12 programs, keeping in mind the need for balance and maintaining options. Students should select a program that ensures they have the flexibility to change career direction at any time.

The following points should be considered when making selections.

- The student’s interests and skills
- Career directions
- Known ability and performance in subject areas
- Aptitude for study and motivation
- A program that leaves options open for the future
- Prerequisite studies deemed necessary by tertiary institutions for entry to specific courses
- Ensure that you understand subject descriptions and seek assistance if you are uncertain
- Do not select studies simply because your friend wants you in the same classes
Eligibility for the VCE (Baccalaureate)
The VCE (Baccalaureate) has been developed by the VCAA, which provides an additional form of recognition for students who undertake the demands of studying both a higher level mathematics and a language in the VCE. Students are eligible to receive the VCE (Baccalaureate) if they choose Italian along with English, Maths Methods or Specialist Maths. Tertiary institutions like universities, have indicated that they strongly support initiatives that encourage students to study a language and a higher-level mathematics in VCE.

Confirming Your Course
After subject selections have been submitted your course will be carefully checked. Students may need to reconsider their choices if there are any concerns with their selections and course requirements. Your course will be confirmed towards the middle of term four

Material Intensive Electives
The cost of running many of the subjects we offer are incorporated into the General Levy, but there are some electives that are more expensive to run, and therefore have a fee attached to them. All Units that are subject to a Material Intensive Elective Charge have been indicated in this Handbook with a ★.
# Sample Course Selection Form

## 2021 Year 10 Course Selection Sheet

**Student Name:** HG(2020):

### Section One – Information and Compulsory Subjects
1. Before filling out this sheet make sure you READ the Senior School Course Handbook carefully.
2. The handbook is viewed by visiting the College website: [www.devallcoll.vc.edu.au](http://www.devallcoll.vc.edu.au). Under the area of Teaching & Learning – SELECT – Teaching & Learning again and scroll down to the Year 10 digital handbook.
3. Every student will be emailed a unique Edval Login to enter their subject selections this is accessed at the following Edval link: [https://spring.edval.education](https://spring.edval.education)
4. Closing date for subject selections: **Friday 21st August 2020**

<table>
<thead>
<tr>
<th>Compulsory Subjects:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Maths</td>
</tr>
<tr>
<td></td>
<td>□ Standard Mathematics</td>
</tr>
<tr>
<td></td>
<td>□ Advanced Mathematics</td>
</tr>
</tbody>
</table>

### Section Two – Health and Physical Education & Science

#### Health and Physical Education
- You must choose subject(s) from the **Health and Physical Education Domain** that total up to two units. VET Cert III Sport & Recreation Year 1 runs for the whole year and are 2 units.
  - □ Physical Education and Health
  - □ Developing Health
  - □ Bodies in Motion
  - □ VET Cert III Sport & Recreation Year 1 (whole year)

#### Science
- You must choose at least one subject / unit from the **Science Domain** but no more than two
  - □ Collisions and Explosions
  - □ Chemistry of Life
  - □ Predators and Psychopaths

### Section Three - Electives
You must choose **eight (8) electives** from the table below but follow the selection rules listed:

1. **You cannot** choose more than 2 subjects from a **Domain** and you must select from at least 3 different domains.
2. **Languages is a whole year subject (select units 1 & 2)** in Year 10.
3. **You may include a Unit 1 & 2 subject (2 units)** as part of your elective choice but you must meet the selection criteria.

- **You must submit your application for advance placement form** to the Senior Sub-School Leader Rebecca Taylor

4. **Number your preferences 1 – 8** - with 1 being your most preferred subject choice.

Please Note: Reserves classes will be used if a class is not offered due to insufficient numbers. Please number your reserves as 6, 7 & 8.

<table>
<thead>
<tr>
<th>The Arts</th>
<th>Humanities</th>
<th>Science</th>
<th>Inquiry Based Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Art</td>
<td>□ Crime, Punishment &amp; Politics</td>
<td>□ Collisions and Explosions</td>
<td>□ The Contemporary World</td>
</tr>
<tr>
<td>□ Visual Communication Design</td>
<td>□ Modern Times</td>
<td>□ Chemistry of Life</td>
<td>□ High Resolves Global Leadership</td>
</tr>
<tr>
<td>□ Drama</td>
<td>□ Poverty and Wealth</td>
<td>□ Predators and Psychopaths</td>
<td>□ Unleashing the Powers of Science and Mathematics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Digital Technology</th>
<th>Languages</th>
<th>Design Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Digital Technologies</td>
<td>□ Immerse yourself to Italy 1</td>
<td>□ Textiles - Fashion by Design</td>
</tr>
<tr>
<td>□ VET: Certificate II, Interactive Digital Media</td>
<td>□ Immerse yourself to Italy 2</td>
<td>□ Food Technology</td>
</tr>
<tr>
<td>□ 3D Product Design Printing</td>
<td></td>
<td>□ Wood &amp; Metal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Year 10 Safe Driver Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Year 10 Sports Academy (whole year)</td>
</tr>
</tbody>
</table>
Section Four – Application for Advance Placement

Do you wish to apply for a year 11 subject in 2021? □ Yes □ No

If you answered yes, please read the next section carefully.

1. You must submit your Application for Advance Placement form to the Senior Sub-School Leader Rebecca Taylor by Friday 21st August 2020, application forms can be collected from the Year 9 Coordinator Michele Bourke.

2. Please tick which subject you are interested in.

3. These subjects are WHOLE YEAR subjects and will count for 2 elective units.

4. You can only choose one Unit 1 & 2 Subject

| ☐ Unit 1 & 2 Psychology | ☐ VET: Cert III in Screen and Media Yr1 |
| ☐ Unit 1 & 2 Applied Computing | ☐ Unit 1 & 2 Food Studies |
| ☐ Unit 1 & 2 Physical Education | ☐ VET Cert III Sport & Recreation Year 1 |
| ☐ Unit 1 & 2 History: 20th Century | ☐ Unit 1 & 2 Legal Studies |
| ☐ Unit 1 & 2 Literature | ☐ Unit 1 & 2 Music Performance |
| ☐ Unit 1 & 2 Biology | ☐ Unit 1 & 2 Health & Human Development |
| ☐ Unit 1 & 2 Business Management | ☐ Unit 1 & 2 Drama |
| ☐ Unit 1 & 2 Art | ☐ Unit 1 & 2 Visual Communications |
| ☐ Unit 1 & 2 Product Design and Tech: Textiles | ☐ Unit 1 & 2 Product Design and Tech: Materials |
| ☐ Unit 1 & 2 General Maths | |
Enhancement Studies – Advanced Placements

Enhancement Studies are available to students in the form of Advanced Placement Subjects.

**What is an Advanced Placement Subject?**
An Advanced Placement subject is any VCE subject, Vocational Education and Training (VET) course not taught at Diamond Valley College or a School Based Apprenticeship and Traineeships.

**Who can do Advanced Placement Subject?**
Students who meet criteria related to high levels of achievement, application and organisation may be offered enrolment in one Advanced Placement subject.

1. Teacher recommendation (teacher of the equivalent year 9 subject or from the Domain area of the subject).
2. Grade average of B in the Domain area of the subject. This should include at least one A in the subject.
3. Students to have an average “consistently” comment in the Attitude to Learning section of their reports.
4. Attendance greater than 90%

Final enrolment will be dependent on there being a place in the Year 11 class and whether the blocking is compatible with the student’s other Year 10 subject choices.

**Is it done in addition to Year 10 studies?**
The Advanced Placement subject would replace a Year 10 study.

**What are the advantages of undertaking an Advanced Placement Subject?**
Students gain valuable experience in working at a higher level and face the challenge of attempting a new study. Students gain an extra subject that will contribute towards their ATAR SCORE providing they complete Unit 3 & 4 of the study in the future.

**How do you find out more about VCE studies?**
Check the VCE handbook for detailed information on all VCE subjects. Copies are available from the Senior School office, library or download a copy from the College Website: www.dvallcoll.vic.edu.au

**What are the choices for Advanced Placement students?**
Subjects offered to Year 10 students will depend on the availability of places after selections by Year 11 students. Year 10 students are not accepted for advanced placement in Mathematics, Art, Visual Communication, Chemistry, Physics and English.

**What do you have to do in the meantime?**
Think about your future. Find out about different courses on offer at universities and TAFE Colleges. Research the many different subjects. Ask students who are doing an Advance Placement subject this year what it’s like. Demonstrate your abilities by working hard in Year 9 and gain good results.

**When do you know if you have been accepted into an Advanced Placement subject?**
Enrolment will be confirmed before the Year 11 Orientation program late in term four. Students undertaking an Advanced Placement subject will need to attend this program.
Core Subjects

English
The Year 10 English curriculum is built around three strands: Language, Literature and Literacy. The course aims to ensure that students further refine their skills in creating, writing, reading, viewing, speaking and listening in preparation for VCE English. Students interact in a range of face-to-face and virtual environments.

Students engage with a variety of texts and examine the contexts in which these texts have been created and read. They interpret, create, discuss, evaluate, and perform a wide range of literary texts with themes and issues involving levels of abstraction, higher order reasoning and intertextual references. Students develop a critical understanding of the contemporary media, and the differences between media texts. Students create a range of imaginative, informative and persuasive texts including narratives, reports, discussions, literary analysis, persuasive responses, transformations of texts and reviews.

Class Work and Assessment

- Reading from a wide range of texts and responding to them
- Participating in individual, paired and group activities related to texts, themes, arguments and ideas being studied
- Listening effectively in order to critically evaluate
- Participating in oral activities such as discussion, debates and more formal oral presentations
- Completing pieces of writing for different audiences and purposes and of varying lengths and styles
- Demonstrating knowledge and skills in the two end of semester examinations

Please note that further studies in English are possible by taking the English unit offered in the elective program.

Contact Teacher - Cate Hambling
Mathematics

Two Mathematics courses are offered to meet the differing needs of Year 10 students - Standard and Advanced Mathematics. Students will be placed into one of these Mathematics courses following recommendations and guidance from the Mathematics Domain Leader and the Year 9 Mathematics Teachers.

Standard Mathematics

This course is aimed at the majority of students and delivers content from Level 10 of the Victorian Curriculum. The topics studied cover the content strands of Number and Algebra, Measurement and Geometry, and Statistics and Probability. The curriculum focuses on developing mathematical understanding, fluency, reasoning and problem-solving skills. To meet the course requirements each semester, students need to complete a combination of skill development activities, investigation work, topic tests and homework tasks, and to demonstrate an adequate understanding of all topics.

Advanced Mathematics

This course is for students who require higher-level content to enrich their mathematical study whilst completing the common Year 10 content. The course delivers content from Levels 10 and 10A of the Victorian Curriculum. The topics studied cover the content strands of Number and Algebra, Measurement and Geometry, and Statistics and Probability. The curriculum focuses on developing increasingly sophisticated and refined mathematical understanding, fluency, reasoning and problem-solving skills.

Assessment

To meet the course requirements each semester, students need to complete a combination of skill development activities, investigation work, topic tests and homework tasks, and to demonstrate an adequate understanding of all topics.

Contact Teacher - Glenys Kidd
Physical Education and Health
The subject aims to increase students’ fitness levels through fitness profiling and participating in a range of different activities which include resistance training, circuit training, boxing, group fitness, invasions and racquet sports. Students will be expected to explore their use of space on the sporting field/court and how they rely on others to achieve individual and team goals. Students’ will undertake a full fitness profile, measuring fitness capabilities across a number of areas and design their own training program. Technology will be incorporated with the use of heart rate monitors and GPS units to assess training progress.

Unit Topics
- Human Body - Skeletal and Muscular Systems
- Energy Systems
- Training program design
- Australian Physical Activity and Sedentary Behaviour Guidelines

Successful completion of this subject is indicated by the completion of the following class expectations:
- Demonstrate a willingness to learn and apply game sense and display skill development or improvement.
- Demonstrate knowledge of the human body and the Australian Physical Activity and Sedentary Behaviour Guidelines.
- Maintain a class workbook of class notes
- Satisfactory completion of research assignment.
- Completion of pre and post fitness testing
- Wearing the correct College Physical Education uniform.

Contact Teacher - Kirk Briggs

Developing Health
This subject allows students to describe the dimensions of, and the interrelationships within and between, youth health and individual human development, and analyse the health status of Australia’s youth using appropriate measurements. Furthermore, students develop an understanding of the health status of Australians by investigating the health of population groups in Australia. Students analyse how determinants of health, including the physical environment, biological, behavioural and social, contribute to variations in health status. Also, students examine the National Health Priority Areas and analyse initiatives designed to promote health relevant to the NHPAs.

Bodies in Motion
In this subject, students will examine the biomechanical and skill acquisition principles that can be applied when analysing and improving movement skills used in physical activity and sport. Through an involvement in a variety of practical activities, students investigate and analyse movements to develop an understanding of how the correct application of biomechanical and skill acquisition principles leads to greater efficiency and accuracy in movement skills.
Elective Subjects - Inquiry units

High Resolves Global Leadership Program

*High Resolves has a material intensive charge of $20.00.*

Is there something in the school that drives you crazy? Are you sick of everyone being stressed around exam time, seeing people with body image issues, people being bullied, rubbish all over the school, or something else? The High Resolves Global Leadership program will give you the chance to take action on some sort of social injustice within the school and make real change while learning a range of leadership skills that you can use throughout your life.

In year 9 the High Resolves Global Leadership Program includes 2 full days of leadership training, at the beginning of the semester, which will equip you with a range of important leadership skills that will help you now and, in the future, including in employment. Following on from that you will investigate social issues within the school and choose one to take action on. Your action project will be whatever you choose it to be as long is it takes action on your chosen issue, will involve an inquiry-based learning journey, and will directly positively impact your school community.

This project will be facilitated by an experienced Program Manager from High Resolves and hopefully supported by a number of experienced business mentors to help make the project as successful as possible.

The program will finish with an inspiring Annual Leadership Summit with other students from across the state at the University of Melbourne in term 4.

To successfully complete this unit, students are expected to:

- Develop leadership and conflict resolution skills
- Know how to influence others to make a positive change in the school
- Play an active role in designing and running a School Action Project
- Fully participate in all sessions with the High Resolves Program Manager and Mentors

Contact Teacher - Lynsey Betts

Unleashing the Powers of Science and Mathematics

Is what we see in the media true, and how can we sift fact from fiction? Pseudoscience seems to shape opinion as successfully as scientific ideas, but at this time Science is our best hope for solving key problems – how can we stop coronavirus? Do masks work? How can we make a vaccine and make it safe? How do we know the climate is changing and what can we do about it? How is data manipulated to suit an agenda?

This subject will develop key Science and Maths skills to make an active contribution to society. In this course you will explore these questions and then choose a topic that piques your interest to investigate. You will develop your research skills – questioning and predicting, planning and conducting investigations, analysing and evaluating data, and communicating scientific ideas.

Contact Teacher - Geoff Brasier or Hannah Dalgleish
Reason, Madness and Imagination
A student led inquiry into literature and creative writing.

Coursework and Assessment:
During this course, students will develop a range of skills to help them:
- Access and expand the power of their imagination and their passion for literature
- Experiment with their choices of different writing styles, be it creative, analytical or critical
- Focus on a style of text and a literary period of their choice, from classical Greek to 21st century speculative fiction

Contact Teacher - Cate Hambling

The Contemporary World
The Contemporary World considers the burning global and local issues around us. Students will complete a common case study before selecting a series of issues that they wish to explore!

Areas to be covered will include: This unit will focus on developing skills related to History, Civics, Economics and Business Studies. These skills will then be applied to local and global issues to seek an in-depth understanding of the world and the forces that create change.

Learning Tasks
- A local case study
- A negotiated investigation on a national issue
- A folio of class exercises

Links to VCE Studies
This unit will develop skills and background knowledge that can be extended in the following VCE subjects:
- Business Management
- Economics
- Geography
- History
- Legal Studies

Contact Teacher - David Finlayson

The Future is Now
In this subject you will have the opportunity to work within an individualised program, some of you may choose to work in pairs or groups also, catering to your interests and skill development in problem solving, creativity and design thinking skills.
You will research and generate ideas around environmental issues, sustainability, waste management, future cities and other themes and concepts of your choosing. This unit gives students the opportunity to work across different subject areas, drawing on knowledge and skills from each to create solutions to real-world problems. You will get to work both manually and digitally to create designs and ideas that matter to you and your future.

Successful completion of this subject may involve the following:
- Up to date and neatly presented Visual Diary that contains research, notes, drawings of trial designs, techniques and visual references
- Online documentation and coding
- Completion of mock ups and presentations of design ideas
- Finished products or prototypes

You are expected to supply basic equipment as per the book list.
This unit is designed to prepare students for a range of subjects at VCE.

Contact Teacher - Richard Fox
Safe Driver Education

* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $190.

The Safe Driving Education Program is aimed at developing an understanding of the physical, social, psychological, moral and legal factors, which influence the individual’s behaviour in a road traffic environment.

The content of the course includes road laws, media issues regarding responsibility of the licensed driver on the road, basic car maintenance, road craft skills*, the transport network, purchasing a car, positive and negative risk-taking, consuming alcohol and road safety, basic first aid as well as road trauma and its causes.

*The practical component will be off campus and will be a compulsory section of the course.*

To ensure a placement in this subject is locked in, payment of this cost (or alternative arrangements made with the College Business Manager) must be completed before the start of the semester.

On receipt of the elective fee, a 40 page pocket book will be issued at the start of the semester.

Class and Practical Work Requirements

- Maintain a work book of all theory classes
- Complete set assignments, which display an understanding of the major topics, related to driving
- Display a reasonable understanding of the road laws from the Victorian Road traffic handbook: “Road to Solo Driving”
- Participate in the practical driving lessons (off campus with a private provider)

Contact Teacher - Murray Knight
Elective Subjects - Art

Art

This is a material intensive elective. Confirmed enrolment in this elective is conditional on payment of a materials charge.

You can further develop your artistic skills through the use of a variety of two and three-dimensional media and techniques. Learn new skills in drawing, painting, sculpture, mixed media and composition. Find out about the techniques used by artists both past and present and what inspired them. Use the creative design process and your imagination to create artworks that explore different themes and subjects.

Successful completion of this subject is indicated by the completion of the following class work

- Folio of completed artworks.
- Up to date and neatly presented Visual Diary that contains notes, drawings of trial designs, techniques and visual references.
- Written work and homework including research assignments and analysis.
- Semester Examination

You are expected to supply basic equipment as per the book list.

This unit is designed to prepare students for VCE Art

Contact teacher – Jo Poulter

Visual Communication Design

Students study Visual Communication Design in Year 10 for five sessions a week for one semester.

Students learn the design process, briefs and the three design fields. These include Communication, Industrial and Environmental design and assessment tasks are based around these three fields. Students learn design thinking strategies, technical drawing systems and how to respond to different communication needs.

Concepts taught include:

- The Elements and Principles of Design, The Design Process, Technical drawing conventions, observational drawing skills, rendering to depict texture, different drawing methods, visualisation and presentation drawing skills. As well as digital methods.
- Folio of completed drawings
- Up to date and neatly presented Visual Diary that contains notes, drawing exercises, techniques and visual references.
- Written work and homework including research assignments and analysis.

This unit is designed to prepare students for VCE Visual Communication and Design and would be useful for VCE Art and Design and Technology.

Career Pathways:

Graphic Designer, Web/App Designer, Advertising, Video Editor, Photo Journalist, Art/Design Director, Communication Manager and Design Education.

Contact Teacher: Margaret Borg
Elective Subjects - Design Technologies

Food Technology ★
* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $55.

In this subject students will be gaining and developing knowledge that they have previously learnt in the junior years of food.

Focus will be placed on safety within the kitchen, cooking methods, sensory analysis, the principals of cooking, social and cultural influences on food, issues in the production of food and eating for good health.

The production will challenge students by using complex processes and will enable them to become competent in developing and presenting new and creative recipes. They will also focus on developing their work practices (ensuring that they are efficient within the kitchen), development of knife skills and professional presentation techniques of food.

Contact Teacher - Claire Lee

FASHION by DESIGN ★
* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $30.

In this elective, students will take on the role of a Textile/Fashion designer. Students undertake the Product Design Process by INVESTIGATING, RESEARCHING and GENERATING ideas, PRODUCING high quality products and EVALUATING their work. Students are required to produce a design folio. They will be assessed on their practical and theory work.

The three major practical units explored during the semester are:

- **RECYCLED FASHION**: Students redesign a pre-loved or recycled garment and decorate it producing a contemporary, unique wearable outfit or decorative product.
- **PRODUCT DESIGN & CONSTRUCTION**: Students learn to construct an outfit using a commercial pattern.
- **TEXTILE PRINTING**: Students are exposed to printing techniques

Throughout this elective, students will be exposed to garment construction, fashion illustration, printing and decorative techniques and processes. Students are encouraged to work on independent projects later in the semester when they choose what to make.

Students are expected to have their own sewing kit. They may be required to purchase their own fabric for specific products. This elective prepares students who wish to study VCE Product Design and Technology: Textiles

Contact Teacher - Barbara Chiodo
Wood & Metal ★

* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $30.

In this elective, students take on the role of a product designer.

Students strengthen and develop their skills in using wood and metal. Students will refine their use of hand tools and strengthen their skills in the safe use of machinery.

The opportunity is there to produce a range of functional products. This elective involves a theory and practical component. Students are expected to maintain a design folio and are encouraged to use their creativity when using a variety of materials. Research and design even involves the use of computer aided drawing programs. The folio explores the product design process through investigating, designing, producing and evaluating.

Class work

- Students will be encouraged to work with wood and metal.
- A variety of wood and metal related techniques will be learned.
- Students will learn to demonstrate the correct and safe usage of hand power tools and machinery.
- When working with metal, they will be exposed to advanced metal fastening and fabrication techniques (i.e. welding, spot welding, etc)
- Students are expected to maintain an A3 design folio and complete written tasks as part of their overall assessment

This elective prepares students who wish to undertake VCE Product Design and Technology: (Materials: Wood & Metal).

Contact Teacher - Barbara Chiodo: Technology Domain leader
Elective Subjects - Digital Technologies

Digital Technologies

Students taking this subject are expected to have access to a computer with internet access at home, so that homework tasks can be completed.

“Everybody in this country should learn how to program a computer ... because it teaches you how to think.” – Steve Jobs

Information Technology is an essential part of modern life, critical to business, communications, education and entertainment. In Year 10 students explore varied aspects of Information Technology, gaining knowledge and skills they can apply to everyday life, especially in the 21st century workplace. This subject also helps to prepare students intending to study VCE Applied Computing Units 1 and 2.

In this unit, students will use ICT tools to create specific information products. They will gain experience in using spreadsheets, databases, word-processing documents, graphic and audio editing software, web development, animation, and programming tools. They will manage and store their files in appropriate formats and locations, and create a digital portfolio that demonstrates their computer competency. They will use electronic media to exchange information with their peers, through media such as email, blogs, wikis and websites.

Topics covered include:

- How computers work
- Computer systems and components
- Website development
- Programming and algorithms
- Spreadsheet software
- Legal and safety issues

Possible areas of study are:

- iOS programming for iPhone and iPad
- Databases
- The Internet of Things

To successfully complete this unit students are expected to:

- Maintain a digital portfolio of their work
- Manage and store their files in appropriate formats and locations
- Use computers and other ICT equipment responsibly
- Complete written as well as practical tasks
- Participate in class discussions, group work and online training

Contact Teacher - Richard Fox
3D Product Design Printing.

Students will investigate specific substrates and 3D product design in a virtual environment. The product has three dimensions (height, width, depth). The result is a digital prototype of your product, one you can explore in detail, validating their prototypes to perfection before mass production.

3D printing is beginning to touch aspects of our everyday life, sometimes in ways most of us aren’t even noticing. It’s being used in the medical industry, in automobiles, industrial manufacturing, for prototyping, and for end-use parts in all manner of industries.

The computer software used in this class is utilised in the development of video games, 3D applications, animated films, TV series, and any visual effects. Watch how your initial ideas come alive on the screen and then to your hand, as a prototype for assessment and evaluation.

Where can we use 3D Product Design?

- Prototyping. Often 3D models are used to create a product prototype to evaluate its design concept, details and manufacturing costs.
- Precise Measurements.
- All-round View.
- Promotion and Marketing.
- Production.

The first stage of this course allows the students to be creative in thought with the traditional style of ideas and brainstorming. The students will learn to creatively think by:

- Defining the problem
- Research
- Ideation Sketches
- Generate solutions
- Model / Prototype solution using Maya 2019 Autodesk software.
- Print in 3D using .STL files
- Test
- Evaluate
- Present your solution.

The student will produce a detailed portfolio with all ideas drawing and 3D captures including a detailed evaluation of their processes. They will need a design display book for presentation of their work.

Contact Teacher - Steven Russell
Elective Subjects - Humanities

Crime And Punishment, Politics (Civics)
In this unit of study, you will learn about government, law and regulation. The study will focus on three key areas: the nature of government in Australia, where have our laws come from and why we need them. You will examine important cases and events in society that have led to changes in the law. You will explore the impact of world treaties and international conventions for human rights as well as environmental rights in the 21st century. Additionally, you will examine the ability of parliament and the courts to respond to the need for law reform.

- Areas to be covered will include:
  - The Australian Democracy
  - The Australian Legal System

- Learning Tasks
  - An investigation of a legal or, political process
  - A formal essay
  - An exam

- Links to VCE Studies
  This unit will develop skills and background knowledge that can be extended in the following VCE subjects:
  - Australian and Global Politics
  - Legal Studies

Contact Teacher - Alison Heathcote

Modern Times (History)
Modern times follows the Great events and movements of the 20th Century from the Great War to the Modern Era. Attention will be paid to the Interwar years, World War Two and movements and ideas that dominated the post war world.

- Areas to be covered will include:
  - The interwar years and World War Two
  - A study of an issue of Social Change (Rights and Freedoms)
  - A study of a global issue

- Learning Tasks
  - An evidence exercise
  - A formal essay
  - An exam

- Links to VCE Studies
  This unit will develop skills and background knowledge that can be extended in the following VCE subjects:
  - Economics
  - Geography
  - History
  - Legal Studies

Contact Teacher - David Finlayson
Poverty And Wealth (Business)

Poverty and Wealth will look at aspects of Australia’s Economy and Business sectors. How do we wish to create a healthy economy that creates wealth? What are the factors that create poverty and how do we address these issues as a society?

**Areas to be covered will include:**
- The Australian Economy
- Measuring economic success or failure
- Participation in the economy
- Employment unemployment
- Living standards
- Government Policy
- World Trends
- The world of business.
- Innovation and invention.
- Making Wealth.

**Learning Tasks**
- An Investigation of an issue
- A formal essay
- An exam

**Links to VCE Studies**
This unit will develop skills and background knowledge that can be extended in the following VCE subjects:
- Economics
- History
- Legal Studies

**Contact Teacher** - David Finlayson

---

Wellbeing and the World Around Us

In this unit, students will investigate issues affecting the development of places and their impact on human wellbeing. Students will complete an inquiry into a developing country or region and propose solutions to improving human wellbeing in the area. They will also investigate the causes and consequences of an environmental change and compare examples of these changes from around the world.

**Areas to be covered will include:**
This unit will focus on developing skills related to Geography, Civics and Economics. Students will study:
- Human Wellbeing including life expectancy, the effect that conflict and war has on the way we live and interact with each other. Additionally, you will investigate living standards and global and local economies.
- Environmental Change and Management where you will investigate how we live with our environment and what we can do to manage this, moving into the future.

**Learning Tasks**
- Conflict and Wellbeing Management Plan
- An inquiry into the causes and consequences to an environmental change
- A folio of class activities

**Links to VCE Studies**
This unit will develop skills and background knowledge that can be extended in the following VCE subjects:
- Economics
- Geography
- Legal Studies

**Course Contact:** Alison Heathcote
Elective Subjects - Languages

Immerse Yourself To Italy

The VCE (Baccalaureate) has been developed by the VCAA, which provides an additional form of recognition for students who undertake the demands of studying both a higher level mathematics and a language in the VCE. Students are eligible to receive the VCE (Baccalaureate) if they choose Italian along with English, Maths Methods or Specialist Maths. Tertiary institutions like universities, have indicated that they strongly support initiatives that encourage students to study a language and a higher-level mathematics in VCE.


Prerequisites: Students taking year 10 Italian must have successfully completed second semester of year 9 Italian. Although students still have the option of completing first semester of year 9 Italian if they so wish.

The main focus of this course is to provide students with an appreciation of the modern Italian language, the Italian way of life and prepare students for VCE Italian.

This course covers such enjoyable topics as:

- Personal world
- The World of Work
- Travelling and holidays
- Healthy lifestyles
- Issues affecting young people
- The impact of technology in Today’s world
- Music and Art

The aim of this course is to develop students’ writing, reading, speaking and listening skills through a variety of activities such as: exploring different text types, exposure to a wide range of vocabulary, performing role-plays, listening to spoken language (songs, interviews) and watching films (fiction and nonfiction) related to the Italian lifestyle. In addition, students will have an opportunity to participate in interactive games to assist learning, cooking of Italian food and excursions.

There is the possibility to participate in a study tour to Italy and visit a high school, which is a valuable opportunity for students to immerse themselves in the country’s language and culture. There is an opportunity to participate in a Study Tour of Italy in the future.

This full-year elective is essential for students wishing to study Italian at VCE.

Languages studies at VCE receive bonus points in a student’s total VCE ATAR score.

Contact Teacher - Rose Marasco
Elective Subjects - Performing Arts

Exploring The World Of Music
The Year 10 Music program provides a balanced course involving performance, creativity and academic challenge. It enables students to be involved with music as a leisure pursuit, an interest, an academic study in its own right or as a career.

Music is experienced through three learning outcomes:

- Aurally and visually analysing and responding to music
- Reading and writing music
- Creating music through composition and performance
- Music research

The course covers key concepts and skills through the three core learning outcomes. It is envisaged that opportunity to further study music through VCE Performance or Music Style and Composition will be developed. Students who participate in the college’s instrumental program are strongly encouraged to elect music studies beyond Year 8.

A sample of the units offered is listed below, but these are continually developed to best meet the needs of the student.

Music in society
Famous composers are real people. We study their works and explore their relevance to today’s music while developing our skills. We study the development of popular music from Broadway, rock and roll the protest music of the 60’s through to the present day as we discover the part played by music in social justice.

Aurally and visually analyse and respond to music
This enables students to develop their problem solving and communication skills, both oral and written through analysing the various musical styles they see and hear.

Creating music
Students develop their self-confidence, independent learning and teamwork skills through a programme of participation in, and direction of vocal and instrumental performance or music composition. With peer and teacher support students are enabled to explore and express themselves through music.

Music Research
Students develop research techniques and independent learning skills through a selected research topic that explores and describes in detail the role and impact of music in society.

Contact Teacher - Gary Nicholls or Eva Dean
Drama

In this subject students will explore the development of character/s through both naturalistic and non-naturalistic performance styles. They will work both individually on solo tasks and with other students in group devised ensemble performances.

Students will learn about the history of Drama through the ages and complete a research task exploring specific times such as Greek and Roman Theatre through to modern day practitioners.

Students will have the opportunity to explore other stagecraft elements such as lighting, sound, set design and construction.

Students will be encouraged to participate in excursions to view amateur and professional performances outside of the college.

Outcomes:
1. Solo Performance
2. Ensemble Performance
3. Research Assignment

Contact Teacher - Ben Strickland
Elective Subjects - Science

Chemistry Of Life
* There is a material intensive charge for this subject.
Throughout the semester we will explore some of the chemical reactions that make life possible. Students will study different types of chemical reactions, biological molecules and processes found within the body. This subject is designed to prepare students for VCE Chemistry and Biology.

Contact Teacher - Geoff Brasier

Collisions And Explosions
What makes a car fast and safe? This subject is designed to prepare students for VCE Chemistry and Physics. The semester long subject covers Forces, Kinematics, and Electrochemistry. Investigations include building mousetrap cars, constructing a survivable car safety cell, and optimising battery performance.

Contact Teacher - Geoff Brasier

Predators And Psychopaths
Have you ever wondered how cheetahs run so fast? Or what makes a great white shark the perfect hunter? Are you baffled by why some people love pineapple on pizza? Then this subject is for you! This subject covers animal adaptations, evolution, ecosystems and the relationships found within them. The lobes of the brain, the nervous system and disorders affecting personality are also explored. This subject is designed to prepare students for VCE Biology and Psychology.

Contact Teacher - Geoff Brasier
Elective Subjects – VET

The VCE VET options at DVC:

- Units 1 & 2 Certificate III in Screen and Media-Games Development
- Units 1 & 2 Certificate III in Sport and Recreation

VET Certificate III Screen And Media (Games Development)

* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $150.

Units 1 and 2 cover core game development skills in dealing with game engines. Students design and build a game of their own, including assets, puzzles and AI.

In this subject students are introduced to the game design pipeline. They learn about the key elements required to create a fully functioning game in the Unreal Development Kit (UE4). They complete design documents including game flow, level concepts and storyboards and incorporate feedback from teachers and peers.

Students develop their skills in the use of Photoshop, Flash and HTML, which are required for creating in-game menus and heads up displays. This unit also covers OH&S in a game design environment.

Units 3 and 4 students extend and develop their skills to include third person games, complex scripting and multiple levels.

Contribution to the VCE

A study score is available for this program. To be eligible students must:

- achieve all the units of competence designated as the scored Units 3 and 4 sequence
- be assessed in accordance with the tools and procedures specified by the VCAA
- undertake an end-of-year examination.

Auspicing

The Diamond Valley College VET Screen and Media Games Development program is auspiced by the Academy of Interactive Entertainment, a Registered Training Organisation who monitor the program to ensure it complies with national standards. Trainers from AIE will visit the school at regular intervals, and will also organise visits to the Academy. Students enrolled in these courses will receive their qualification from AIE, and will be offered the opportunity to enrol in post-secondary courses that build on their school experience.

Pathways

This qualification could allow students to undertake further training or study to enable them to be employed in roles such as games developers, animators or other related IT occupations.

Contact Teacher - Steve Russell
VET CERTIFICATE III Sport & Recreation

* This is a Material Intensive Elective. Confirmed enrolment in this Elective is conditional on payment of the Material Intensive charge of $450.

VCE VET Sport and Recreation is studied at Year 10 for the whole year. Completion of the Certificate III Sport and Recreation is achieved at Year 11 across the whole year.

This course is classroom based with a student workbook and involves multiple off site excursions incorporating canoe, rock climb, ski and bushwalk experiences.

Material Intensive Elective Charges

- Units 1 & 2 (Year 10) - $450.00
- Units 3 & 4 (Year 11) - $450.00

VET Sport and Recreation provides students with the opportunity to acquire and develop the skills, knowledge and confidence to work in the areas of sport and recreation and fitness. Leadership, organisational and specialist activity skills such as outdoor recreation and fitness will be developed throughout the program.

Course Objectives

This qualification provides the skills and knowledge for an individual wishing to work in the sport and recreation industry in areas such as maintaining grounds and playing surfaces, providing customer service, facilities maintenance and administrative assistance. This qualification also provides pathways for multi skilled roles which combine a range of activities required to support the operation of facilities such as fitness centres, outdoor sporting grounds or complexes, aquatic centres and community recreation centres. You will gain the skills to deliver a sport and recreation service to clients in a recreation facility, learn about event management and how to deal with conflict and have the ability to put these skills into practice through on the job practice.

Pathways

This qualification could allow students to undertake further training or study to enable them to be employed in roles such as outdoor recreation, personal training, gym instruction, event promotions, facilities management and coaching.

Contribution to the VCE

Upon successful completion of the VCE VET Sport and Recreation program students will be eligible for up to four units of credit towards their VCE: Two units at Units 1 and 2, and a Units 3 and 4 sequence. The program also may contribute to VCAL at the Foundation, Intermediate or Senior levels.

ATAR Contribution

Students wishing to receive an ATAR contribution for the Units 3 & 4 sequence must undertake scored assessment for the purposes of gaining a study score. This study score can contribute directly to the primary four or as a fifth or sixth study.

Contact Teacher - Rebecca Taylor