



LILYDALE
HIGH SCHOOL

YEAR 9

HANDBOOK

2018

PRINCIPAL

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ADMINISTRATION OF YEAR 9

HEAD OF MIDDLE SCHOOL, HEAD OF YEAR 9, YEAR 9 CO-ORDINATORS

These staff members are the school contacts for any parent/teacher liaison.

They are responsible for:

Discipline

General organisation of the year level

Interim reports, counselling

Student/teacher contact

Student/pupil wellbeing co-ordinator contact

New enrolments, course selection and course changes.

HOME GROUP TEACHER

The home group teacher is responsible for:

Meeting with the home group on a daily basis

Recording attendance

Receiving and recording notes to cover absences

Bringing to the attention of the Co-ordinator any persistent absences

Ensuring students read Compass News Events

Signing out-of-uniform notes.

STUDENT WELLBEING CO-ORDINATOR

The Student Wellbeing Coordinators are available to see students on an individual basis concerning any problem or difficulties that may interfere with their progress at school. A student may seek a referral themselves or this can be done by the co-ordinators, school administration, parents or staff.

YEAR 9 COURSE OF STUDY AS RECOMMENDED BY THE LILYDALE HIGH SCHOOL COUNCIL AND THE CURRICULUM COMMITTEE

Year 9 students are required to study subjects from each Key Learning Area (with the exception of Languages). All students will study core subjects (English, Math, Science, Humanities, Arts and Physical Education), in addition to elective subjects.

ENGLISH

English is compulsory each semester. Bridging English, Creative Writing and Debate, discussion and public speaking are offered as electives at Year 9.

PHYSICAL AND SPORT EDUCATION

Students must take two compulsory and two elective Physical and Sport Education units per year.

MATHEMATICS

Mathematics is compulsory each semester. Bridging Mathematics is offered as an elective each semester.

SCIENCE

Science is compulsory each semester.

HUMANITIES

Humanities is comprised of History, Geography and Economics. Students are to take each of the compulsory History, Geography and Economics units this year. Each unit is for one semester.

TECHNOLOGY

Students must take a minimum of three elective Technology electives per year.

THE ARTS

Students must take one compulsory and one elective Arts subject per year.

LANGUAGES – FRENCH OR INDONESIAN

These units are for those students who wish to continue studying the foreign language they have been studying in Years 7/8. Students are not obliged to study Language in Year 9.

YEAR 9 ACTIVITIES

HOME GROUPS

Home groups will be determined by course selections and staff recommendations. Anticipate changes.

EXAMS

Year 9 students have an examination period at the end of the year. Examinations will take place in English and Mathematics.

STUDY SKILLS

Formal sessions developing examination and study skills will be conducted before the examination period.

YEAR 9 CODE OF CONDUCT

This program is designed to foster important skills such as resilience, good work and study habits and persistence. It also provides the chance to address the Student Code of Conduct.

YEAR 9 CITY EXPERIENCE

Year 9 students attend a City Experience program. This program is designed to improve student engagement by encouraging independence and responsibility for oneself and others, by improving self-confidence and team-work and by encouraging punctuality amongst individuals. Students are encouraged to work on and improve their self-directed learning by working on an independent project while in the city.

Course outline:

The program will enable students to develop:

Interpersonal skills

Independent learning

Confidence

Punctuality

Responsibility

Teamwork

Self-esteem

During the program, time is allocated for a research project. Students move around the city in small groups of 4 or 5, carrying out their research. They formulate a hypothesis with their supervising teacher prior to the commencement of the program. Students also visit places of significance in Melbourne's cultural, sporting and political life.

There is a fee involved with this program. Further information will be distributed to all students in 2018.

CAMP

More details about a camp to Tasmania will be available later in the year.

Key Learning Area: ART

Students MUST choose ONE Core Arts subject from Visual Arts, Drama or Music

Core Units

EXPLORING VISUAL ART

Unit Code: 9AEVA

Exploring Visual Art aims to establish a working basis for advanced art techniques. Using starting points such as observation and research, students undertake a range of activities including drawing, painting, printmaking and mixed media. Students will study art theory, gain an introduction to art terminology and study artists related to the specific styles and techniques covered in the course. The students will be required to complete a research assignment and demonstrate skills in art criticism and analysis.

EXPLORING DRAMA

Unit Code: 9AED

Exploring Drama establishes an understanding of dramatic processes involved in performance and enables students to develop their performance skills. Using a variety of scripts, we explore techniques such as research, analysis, preparation, presentation and evaluation to deliver a range of performances. Units of Study include: Exploring the Script; Understanding the Production Process; Developing Performance Skills and Analysing the Performance.

EXPLORING MUSIC PERFORMANCE

Unit Code: 9AEM

This course aims to establish an appreciation for live music performance. Students explore the use of music technology whilst learning to perform using professional music equipment. Students will gain an appreciation for music performance through exploration of different styles, history and musical elements. Students will also improve their performance and practical skills on a musical instrument in a series of live performance opportunities in front of an audience.

This course is a recommended pathway to Year 10 and VCE Music. It is a companion to the Middle School Music course. It is encouraged that students be proficient on an instrument.

Elective Units

COMPUTERS IN ART

Unit Code: 9ACIA

Students will explore artistic possibilities using diverse themes and ideas by means of various computer software programs, including Photoshop. They will use a range of resources, including original photos and drawings, and images sourced online. They will research and explore alternative software to use at this level and apply one in the creation of artworks. Students will be required to mount and display their own artwork in an appropriate manner.

CERAMICS (SEMESTER 1)

Unit Code: 9AC1

This unit gives students the skills, techniques and confidence to develop their own creative style. Students build on clay hand building skills with the introduction of slip casting and wheel work.

The course is designed to give students a wide range of choice. The introductory task introduces students to the Sgraffito decorating technique - students can choose a vase, bottle, bowl, decorative sphere or cup form and decorate using a sgraffito design of their choice.

The major task is the 'Distorted House'. Students create a house form and enhance this with their choice of theme; choosing techniques most suitable to achieve their design aims. Houses can be functional – a container, candle/light piece, garden planter, bird house etc. or a purely decorative piece.

The final task sees students creating a plate and using street art stencil techniques to decorate.

Tasks may include the following: large coiled or slab-built form; slip casting; stencil plate and wheelwork.

CERAMICS (SEMESTER 2)

Unit Code: 9AC2

The course is designed to give students a wide range of choice to develop their own style and continue to develop their own strengths in working with the clay medium.

The introductory task focuses on creating a functional bowl or cup with a spoon. The major practical task is the 'Pop Culture Jar'. Students use the coil technique to build a large cookie jar sized vessel with a theme drawn from popular culture (for example, a cartoon character or animal head).

Students will also explore the electric pottery wheel and using liquid clay/slip, to pour into moulds, creating pieces they can decorate and use.

Tasks may include the following: large coiled or slab-built form; slip casting; stencil plate and wheelwork.

ADDITIONAL INFORMATION

Students who took 9AC1 in Semester 1 may continue with 9AC2 in Semester 2. Students may take 9AC2 even if they were not in 9AC1 in Semester 1.

MEDIA (SEMESTER 1)

Unit Code: 9AME1

This is a practical course designed to introduce students to a range of software programs and technical equipment. Students will work in groups to plan and develop media productions.

Tasks may include the following: Taking digital photos and manipulating them in Photoshop, Print project: magazine or newspaper produced in InDesign and a 30-minute Podcast: audio sequence created in Garage Band.

Areas of study are digital photography and image manipulation and print production.

MEDIA (SEMESTER 2)

Unit Code: 9AME2

This is a practical course designed to introduce students to a range of software programs and technical equipment. Students will work in groups to plan and develop media productions. Tasks may include the following: Video created from still images, Motion video – a short film, advertisement or documentary and a Podcast: audio sequence created in Garage Band.

Students can complete: Semester 1 only, Semester 2 only or both Semesters 1 and 2.

VISUAL COMMUNICATION DESIGN

Unit Code: 9AVCD

Students will produce a folio that covers a range of visual communication skills and techniques. A variety of topics will be produced for a specific audience. Students will analyse and interpret visual communications (e.g. film posters) produced by others. Tasks may include the following: Sketchbook of ideas and development work, Perspective drawing or Designs created using the design process.

DRAMA (SEMESTER 1)

Unit Code: 9AD1

Year 9 Drama teaches students the dramatic elements involved in performance and exposes students to various performance styles. The units of study include; Dramatic Elements, Melodrama, Epic Theatre, Naturalism and Responding to stimulus.

Participation in this unit may require: attendance at, and participation in, workshops; preparation and presentation of performances; reflective and analytical journal/workbook and design tasks.

DRAMA (SEMESTER 2)

Unit Code: 9AD2

This course encourages students to work in a variety of ways to explore theatrical conventions involved in performance whilst looking at a range of performance styles. The course also aims to develop students' expressive skills and acting abilities.

Each unit explores skills, techniques and processes in order to identify, analyse and show an understanding of drama from various social and cultural groups. The units of study include: Transformation Techniques; Physical Theatre; Expressionism and Gothic Drama.

Working in small groups, the students will also rehearse and present a dramatic piece from either the Soap Opera or Physical drama units as a public performance.

Participation in this unit may require: attendance at, and participation in, workshops; preparation and presentation of performances; reflective and analytical journal/workbook and design tasks.

ADDITIONAL INFORMATION

Students can complete: Semester 1 only, Semester 2 only or both Semester 1 and 2. Students are not required to have completed 9AD1 in order to study 9AD2.

INTRODUCTION TO MUSIC COMPOSITION (SEMESTER 1)

Unit Code: 9AM1

This course aims to establish an appreciation for music composition. Students learn about the history of music including composers and famous compositions. Students learn appreciation for famous compositional melodies and gain an understanding of their qualities through knowledge of the elements of music. Students extend their performance and practical skills whilst gaining an understanding of improvisation in music. Students learn to arrange music through the use of music technology.

This course is a recommended pathway to Year 10 and VCE Music. It is a companion of the Middle School Music course. It is encouraged that students be proficient on an instrument.

MUSIC – DEVELOPING MUSICAL COMPOSITION PERFORMANCE (SEMESTER 2)

Unit Code: 9AM2

This course aims to establish an appreciation for styles and explore music skills in performance, composition and music technology. Students will gain an appreciation for musical styles, history and advanced musical elements. They will also extend their performance and practical skills as well as compositional understanding. Students will learn how to arrange music for instruments other than their own and create original pieces of music.

This course is a recommended pathway to Year 10 and VCE Music and is a companion to the Middle School Music core program.

ADDITIONAL INFORMATION

Students are encouraged to learn an instrument either privately or through the school Instrumental Music Program.

Key Learning Area: ENGLISH

Compulsory Unit

ENGLISH

Unit Code: 9EE

The course offers a balanced and integrated approach to language development, combining the three strands of writing; reading and viewing; speaking and listening. Students study and respond to increasingly complex texts including classic, contemporary and popular texts, exploring different perspectives on social and psychological issues. They develop more critical ways of reading and viewing mass media, developing an awareness of underlying values in their own and others' texts. In their writing, students extend their range of styles to include formal, persuasive, creative and argumentative writing, so they can write effectively for a wider range of purposes and audiences. Through class and small-group discussion, students learn to express and justify their point of view and speak effectively in various contexts. Students are encouraged to select and read a variety of challenging texts for different purposes, including for pleasure.

Elective Units

CREATIVE WRITING

Unit Code: 9ECW

The course will suit students who enjoy writing creatively and who want to extend their experience of this form of writing.

Students will have the opportunity to study different genres of writing such as Short Stories, Adventure, Mystery, Horror, Science Fiction and Romance. The teacher will provide examples of writing and there is the possibility of inviting authors to speak to, and inspire, the students. Using the models provided and their imagination, ideas, and experience, the students will create their own pieces, using different forms of writing such as short stories, scripts and poems. The course will encourage students to follow their interests, to negotiate the topic of their major piece of work, and to develop and extend their skills.

Students will be encouraged to enter competitions and seek publication of their work.

BRIDGING ENGLISH (SEMESTER 1 AND SEMESTER 2)

Unit Code: 9EB1, 9EB2

Students choosing Bridging English will be able to negotiate (with the teacher) an appropriate course to meet their individual needs. This course is primarily designed for those students who were enrolled in Literacy and Learning Support in Years 7 and 8.

Bridging English is designed to strengthen and refine students' literacy skills and so improve their participation and confidence in speaking and listening, writing and reading in all their subjects. This unit is designed to complement the English course, NOT replace it. Consequently, the tasks are not merely duplications of English course work. Bridging English is in addition to the English course students take with their form group.

DEBATE, DISCUSSION AND PUBLIC SPEAKING

Unit Code: 9EDDP

Students will build on their skills in speaking and listening by participating in class discussion and debates, both impromptu and prepared. They will study the structures and techniques used to make effective speeches and will write their own speeches to be delivered to a variety of audiences and for different purposes. They will work both in teams and independently and will have the opportunity to participate in activities and competitions.

ADDITIONAL INFORMATION

Where possible, guest speakers will be invited to the class to enrich students' learning.

Key Learning Area: HUMANITIES

Compulsory Units

HISTORY

Unit Code: 9HH

Students studying in this discipline will focus on the development of the modern world, culminating with World War One. They will learn how Australia developed in terms of social, political and cultural structures and traditions. Students will study the impact of the British Empire on its colonies, specifically the colonisation of Australia. They will discuss and debate significant moments in Australian history. Students will learn to recognise the significance of different events within an historical context and learn how evidence and values produce different interpretations of events, people and institutions. Students will create timelines, written essays, multimedia presentations, oral presentations and posters.

GEOGRAPHY

Unit Code: 9HG

In this unit of work, natural and agricultural ecosystems are explored, and the impacts of changes in these environments on food production and food security are investigated using studies from Australia and other countries. Students will also explore how the choices and actions of people impact on places and environments. Local and global connections and interconnections will be examined using studies from Australia and across the world.

ECONOMICS

Unit Code: 9HE

The discipline of Economics will enable students to understand how wealth is generated and distributed. Students will understand how businesses and markets operate and how the nation's work economy operates. They will analyse how goods and services are produced and how markets operate. Students will discover the values that lie behind economic decisions and the role and responsibility of the consumer, producer and governments. They will understand how economic issues relate to themselves, the community and the nation. Students will explore how policy decisions are made and their impact upon people. They will investigate and research, then use their findings to support their hypothesis on an economic issue such as tollways, welfare policy and trade. Students will complete investigations, submissions and reports.

Elective Units

LEARNING TO LEAD

Unit Code: 9HLL

Learning to Lead aims to develop each student's leadership, communication, teamwork, self-discipline and organisation skills, as well as enhance their understanding of the wider community.

Students will be learning about leadership, communication, teamwork, organisation, negotiation, lesson planning and assessment. They will then, time permitting, spend some time in a primary school/community organization. As part of the course, students will have the responsibility of organising their own placement.

As Learning to Lead involves travelling from Lilydale High School to a local primary school and/or to an offsite location on a weekly basis, students will be required to travel independently to get themselves to and from their placements.

Note: Selection for Learning to Lead incorporates several stages. Students must have displayed exemplary behaviour. Initially, students are asked for an expression of interest in the program. When it is decided where the course will be on the timetable, students will be contacted and asked to write a small piece about why they want to take Learning to Lead and how it will benefit them. Depending on the number of students wishing to do the subject, other selection criteria may also be used.

How to Apply: – Indicate on the course selection form that you are interested in taking this course. You will then be contacted to receive more information about applying.

Key Learning Area: LANGUAGES

It is advisable that a language at Year 9 be taken as a full year of study.

Students are not required to continue their study of French or Indonesian in Year 9 but are encouraged to do so. The study of Languages at VCE level can lead to bonus points on ATAR scores. Students wanting to continue the study of Languages need to indicate this when they fill in the course selection form.

FRENCH: WHERE IN THE WORLD? (SEMESTER 1)

Unit Code: 9LF1

This semester students will learn to plan for outings and holidays with friends and family. They will consider suitable clothing, the weather, and food. Students will study popular holiday destinations in France such as the Mid Pyrenees region where they will encounter the rich culture of the Basque people.

Note: This unit is for students who studied French in Years 7 and 8.

FRENCH: HEALTHY BODY, HEALTHY MIND? (SEMESTER 2)

Unit Code: 9LF2

In this unit, students will learn how to talk about their health and how they are feeling. They will also acquire vocabulary relating to food and meals, and learn how to order in a restaurant. They will learn about the cuisine of various regions.

Students undertake a range of listening, speaking, reading and writing tasks, including individual vocabulary learning and research, as well as class activities.

Note: This unit is for students who studied French in Years 7 and 8 and Year 9 Semester 1.

INDONESIAN: RAINFORESTS AND SPICES (SEMESTER 1)

Unit Code: 9LI1

Building on prior knowledge, students undertake a range of listening, speaking, reading and writing tasks, thereby gaining language and intercultural understanding. They use a range of tools and information and communications technology in their own research and development of Indonesian language.

Students will explore questions such as: What can you see in an Indonesian market stall? Is all Indonesian food spicy? Where is the Indonesian rainforest and who lives there? and How does climate impact how and where we live?

NOTE: This unit is for students who studied Indonesian in Years 7 and 8. It is expected that students will study Year 9 Indonesian for a full year.

INDONESIAN: THERE'S A GECKO ON THE WALL! (SEMESTER 2)

Unit Code: 9LI2

Indonesia is overflowing with an array of endangered animals, many of which are threatened with extinction. In this unit you will study the behaviour and habitat of animals in the LHS Reptile Room and follow this with research into some of the issues facing the wildlife of Indonesia. There is also a focus on housing styles, including Balinese compounds and those of other areas in Indonesia.

Building on prior knowledge, students undertake a range of listening, speaking, reading and writing tasks, thereby gaining language and intercultural understanding. They use a range of tools and information and communications technology in their own research and development of Indonesian language.

NOTE: This unit is for students who studied Indonesian in Years 7 and 8 and Year 9 Semester 1.

Key Learning Area: MATHEMATICS

Compulsory Unit

MATHEMATICS

Unit Code: 9MM

The study of Mathematics will cover these topics: Number, Measurement, Algebra, Pythagoras' Theorem, Ratios, Congruence & Similarity, Trigonometry, Linear Equations & Graphs, Data, Rates, Non-linear Graphs & Equations.

Work requirements will include:

Skills Practice and Standard Applications (SP & SA) - Students will be required to learn standard algorithms and techniques. They complete class work, tests, homework, journal entries and other assignments.

Analysis Tasks and Application Tasks - These activities involve both major and minor reports. Both necessitate an ability to design and evaluate a task, demonstrating comprehension of the problem, the ability to choose an appropriate problem solving and modelling strategy and the capacity to communicate the results succinctly and effectively.

Homework Program

This will consist of weekly homework sheets which require students to complete problem solving questions whilst demonstrating all of their thinking and working out.

Elective Units

BRIDGING MATHEMATICS (SEMESTER 1)

Unit Code: 9MB1

Bridging Mathematics follows the outline for Core Mathematics and is designed to assist students who require extra assistance in Mathematics. Students taking Bridging Mathematics in Semester 1 will focus on Number, Measurement, Algebra, Pythagoras' Theorem, Ratios, Congruence & Similarity and Trigonometry at approximately the same time as their Core class. They will participate in a broad range of practical activities geared towards activity-based learning, to reinforce and support their understanding of the material covered in Core Mathematics. They will work both collaboratively and independently. While students may elect to participate in Bridging Mathematics, acceptance into the course will be based on the student's demonstrated need for extra assistance in Mathematics.

BRIDGING MATHEMATICS (SEMESTER 2)

Unit Code: 9MB2

Bridging Mathematics follows the outline for Core Mathematics and is designed to assist students who require extra assistance in Mathematics. Students taking Bridging Mathematics in Semester 2 will focus on Linear Graphs and Equations, Data, Rates and Non-Linear Graphs and Equations at approximately the same time as their Core class. They will participate in a broad range of practical activities geared towards activity-based learning, to reinforce and support their understanding of the material covered in Core Mathematics. They will work both collaboratively and independently. While students may elect to participate in Bridging Mathematics, acceptance into the course will be based on the student's demonstrated need for extra assistance in Mathematics.

Key Learning Area: PHYSICAL & SPORT EDUCATION

Compulsory Unit

PHYSICAL EDUCATION

Unit Code: 9PPE

The Year 9 Physical Education program will continue to establish and develop the fundamental skills taught in Years 7 and 8. A focus will be given to developing both individual and team strategies along with game play. A component of this subject will be theory based, with students identifying a range of social and cultural factors that influence the development of personal identity and values. Students will also identify and explain the rights and responsibilities associated with developing greater independence, including those related to sexual matters and sexual relationships. They will compare and evaluate perceptions of challenge, risk and safety.

Students participate in practical activities such as fitness training and assessment, a variety of sport-based activities. They will also complete a theoretical component that includes and understanding of personal and health issues.

ADDITIONAL INFORMATION

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes.

Elective Units

PHYSICAL EDUCATION (GIRLS)

Unit Code: 9PPEG

This is a unit catering for girls only, where students may pursue their movement potential. It is widely accepted that at this age, the division of classes by gender for Physical Education results in maximum participation and achievement. Students will have the opportunity to negotiate a curriculum with the teacher from a selected range of activities.

ADDITIONAL INFORMATION

Cost: Approximately \$20 (for out of school activities)

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

PHYSICAL EDUCATION (BOYS)

Unit Code: 9PPEB

This is a unit catering for boys only, where students may pursue their movement potential. It is widely accepted that at this age, the division of classes by gender for Physical Education results in maximum participation and achievement. Students will have the opportunity to negotiate a curriculum with the teacher from a selected range of activities.

ADDITIONAL INFORMATION

Cost: Approximately \$20 (for out of school activities)

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

COURT AND FIELD SPORTS

Unit Code: 9PCF

This unit provides the opportunity for students to experience a number of court or field sports. These are generally popular activities and allow full participation for all students, developing a positive attitude toward a range of physical activities. Students will have the opportunity to negotiate a curriculum with the teacher from a selected range of activities.

ADDITIONAL INFORMATION

Cost: Approximately \$10 - \$20 (for out of school activities)

This course is available to boys and girls.

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

AEROBICS

Unit Code: 9PA

Student will be given the opportunity to further develop their skills, coordination, cardiovascular fitness, flexibility, muscular strength, agility, power and endurance in a fun, structured environment. The subject allows students to work collaboratively as a team to choreograph their own routine. This will be used for the final assessment of the semester and may also be used as a competition entry (if the student chooses).

ADDITIONAL INFORMATION

Cost: Approximately \$20 (for out of school activities)

This course is available to boys and girls.

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

NETBALL

Unit Code: 9PN

In this unit, students are given the opportunity to develop their skills in netball. The unit also aims to develop fitness and dedication to training and coaching. It is intended that this course will provide a base from which students can be selected for the Excellence in Sports Program at Year 10. Activities include fitness training and assessment, netball skills, strategies and game play.

ADDITIONAL INFORMATION

This course is available to boys and girls. All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

BASKETBALL

Unit Code: 9PBB

In this unit students are given the opportunity to develop their skills in basketball. The unit also aims to develop fitness and dedication to training and coaching. It is intended that this course will provide a base from which students can be selected for the Excellence in Sports Program at Year 10. Activities include fitness training and assessment, basketball skills, strategies and game play.

ADDITIONAL INFORMATION

This course is available to boys and girls.

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

RACQUET SPORTS

Unit Code: 9PRS

This subject is for the students interested in racquet sports including tennis, badminton, squash and table tennis. Students will have the opportunity to develop their skills in the sports indicated with the aim of improving hand-eye coordination, racquet control, movement around the court and fitness.

ADDITIONAL INFORMATION

This course is available to boys and girls.

All students must have a PE uniform consisting of a navy polo shirt and navy shorts. These items are available for purchase through Lowes. Students must wear a hat during all PASE classes in Terms 1 and 4.

DUKE OF EDINBURGH PROGRAM

Unit Code: 9PDE

This is a world-wide program aimed at developing young people's personal skills, in particular, self-confidence, resilience, teamwork, planning, personal organisation, leadership, initiative, problem solving and the ability to extend themselves outside their comfort zone. Three levels are attainable: Bronze, Silver and Gold. It is hoped that each student will meet the criteria to gain their bronze level (they have until the age of 25 to gain their silver and gold levels).

This is a *student development* program comprising of:

Service (environmental and community projects) – completed in class time

Expeditions (journeys) – completed in class time

Learning/development of a skill of your choice – completed in own time

Fitness development in an area of your choice– completed in own time

Practical skills in Outdoor Education / Environmental Education

Students are introduced to some outdoor activities and given the opportunity to develop skills in:

- Bushwalking
- Navigation
- Camping (lightweight)
- Leadership and teamwork

PLEASE NOTE: Students must complete an [application form](#), which must be submitted by **Friday August 4, 2017**. This application form can be found on the school website. LIMITED SPACES ARE AVAILABLE.

PREREQUISITES

Students need to have an interest in the outdoors, the environment and teamwork and leadership skill development. They must be willing to carry a backpack for 1-4 days and participate in a range of outdoor adventure activities (e.g. bushwalking, cross-country skiing, canoeing, tree planting, rock climbing, cycling).

COSTS

Program – Cost per semester of \$250 (plus purchase of thermal underwear).

Equipment –Students must supply some personal equipment, warm clothing and food (at an additional cost).

Once selected for this program, FULL payment of \$250 is required by 1st December, 2017.

There are NO REFUNDS for students withdrawing from the program.

ATHLETE DEVELOPMENT PROGRAM (SEMESTER 1 AND SEMESTER 2)

Unit Code: 9PAD1, 9PAD2

The Athlete Development Program (ADP) is designed to cater for aspiring athletes from any sporting field and will consist of both a sporting focus as well as an academic focus. **The Athlete development program is a two year program, running for both Year 9 and Year 10.** Students are required to commit to the program for both years. Involvement in the program does have an impact on the subject choices that students can make, in particular, at Year 10.

Students selected for the ADP will be allocated to the same form group at Year 9 and will have a regular Year 9 timetable, however, it will be compulsory for the students to undertake a Select Entry Elective named Athlete Development. This compulsory component of the Program will run as a 3 period elective.

The ADP will involve the students partaking in sessions designed to give them an understanding of the requirements of becoming an elite athlete. During this time, students will undergo a strength and conditioning program under the supervision of a qualified strength and conditioning coach. Students will also undertake nutritional sessions along with sports psychology sessions which will focus on things such as goal setting and time management.

The program also comprises a unique academic focus. The students will complete the same core subjects as required in a standard Year 9 course, however, the students will receive a tailored curriculum, which at times, will use sport as a context to further engage the students in their school work. English, Maths, Humanities and Science will at times, vary from the mainstream coursework in order to cater for students in the ADP. Each of the subjects previously listed form the CORE component of the ADP and will therefore be undertaken as a form group.

APPLICATION PROCESS

There is a maximum of 25 students allowed to partake in the ADP, therefore, there is a selection process that includes the completion of an application form, as well as a fitness-testing component. The fitness-testing will involve the 20M Shuttle Run Test, the 20M Sprint Test and the Vertical Jump Test. The information provided within the application form, along with the results from the fitness testing will be used to rank students, with the top 25 students receiving a spot in the program.

Students who are successful with their application will be notified on Monday 7th August, 2017.

Key Learning Area: SCIENCE

The Science Department offers students a core program investigating the five strands of Science. Students may also choose one elective semester unit. Year 9 Science aims to develop students' confidence, interest, skills and the abilities needed to investigate and understand the physical, biological and chemical world.

Compulsory Unit

SCIENCE

Unit Code: 9SS

Students will look at a particular strand of Science per term.

The Biology Unit will discuss how the human body uses the five senses. Students will investigate how pathogens can generate disease and the environmental factors that can affect the homeostatic levels of the human body. The main organs of the senses will be explored and an understanding of the teenage brain will cover the psychological issues that students face today.

The Chemistry Unit will give students an understanding of the atom and its main sub atomic particles. They will become aware of the industrial and medical uses of isotopes and the implications of radioactivity. Students will explore acids and bases that are used in the home and examine how a change in the pH of an environment can affect the stability of an ecosystem.

The Physics Unit will showcase the use of electricity and the drive for sustainable alternatives for fossil fuels. An understanding of energy in all its forms including heat will be studied, as well as energy's use in society.

Students will develop an awareness of the human impact on the environment and the need for sustainability of the environment. Natural disasters such as tsunamis, volcanoes and earthquakes will be investigated to ensure that students are equipped for the issues that they could face in the world of tomorrow.

Finally, students will have the opportunity to undertake a practical investigation of their own design on a topic of their own choice. Students will develop their skills in critical curious thinking, scientific communication and understanding of evidence based arguments.

Elective Unit

SUSTAINABILITY

Unit Code: 9SSUS

This subject will involve students participating in outdoor practical tasks designed to help them identify sustainable lifestyle choices and how to put them into practice. Students will research, plan and create their own organic food gardens. They will have the opportunity to propagate and plant native seedlings in local revegetation projects, as well as learn about the biodiversity of the school and its surrounds.

Students will complete this course and attain certificated competencies in such areas as basic plant propagation, horticulture and species identification.

This subject will examine what it means to follow sustainable practices. It should also equip students with the knowledge to develop their own views on current environmental issues.

Key Learning Area: TECHNOLOGY

In Year 9, students are required to take three Technology units from the list below.

- 9TWT Wood Technology*
- 9THE1 Home Economics* (Semester 1)
- 9THE2 Home Economics* (Semester 2)
- 9TT1 Textiles* (Semester 1)
- 9TT2 Textiles* (Semester 2)
- 9TSE Systems - Electronics*
- 9TWPD Web Page Design
- 9TCAD Computer Aided Design
- 9TGD GAME DESIGN
- 9TFDD FLIGHT, DRONES AND DESIGN
- 9TNGD NEXT GEN DESIGN

Please note: * Units have a course fee (additional to the standard school fees) payable at the start of the semester. Parents/students have four weeks to pay the associated fee. After this time, students will be withdrawn from practical work unless special consideration has been negotiated with the Technology Coordinator.

All Home Economics subjects require the students to have a container in which to take home their product. Recommended size: 6 litres – approximately 260 x 260 x 120 mm (to accommodate a sponge cake).

SYSTEMS - ELECTRONICS

Unit Code: 9TSE

Students develop an understanding of the nature and structure of systems and show how inputs, processes and outputs are interrelated. They investigate the role of technological systems in the household and communities and consider the impact on society and the environment. Students learn about a larger range of systems: electrical, electronic and mechanical. Students examine the use of a variety of renewable energy sources for powering systems and will work with a variety of systems and participate in the design process, culminating in the production of a commercial quality project.

ADDITIONAL INFORMATION

There is a \$30 materials fee for this unit.

TEXTILES (SEMESTER 1)

Unit Code: 9TT1

This unit focuses on the design process as a means to develop creativity in practical problem solving skills using various materials and techniques. Students will explore and investigate the use of materials and material construction techniques.

Students are introduced to the many aspects of Textiles, including stitching, following a pattern and the safe use of sewing machines. Students will research textiles and produce a sleepwear garment with a focus on sustainability.

Tasks may include the following:

- Garment construction project
- Sewing machine licence
- Analysis/research task
- Record of work completed (electronic)
- Design folio

ADDITIONAL INFORMATION

Students undertaking this course must be prepared to purchase the necessary material, sewing kits and an A4 display book.

There is a \$20 materials fee for this unit.

TEXTILES (SEMESTER 2)

Unit Code: 9TT2

This unit of work aims to enhance the practical skills of students and further develop their understanding of the textiles design industry. Students will perform a number of practical tasks including machining techniques and embroidery design, printmaking and dyeing. Given a set of considerations and constraints, students will follow the design process and develop a chosen design. Students will use equipment, techniques and materials to specified levels of accuracy and precision.

Tasks may include the following:

- Cushion cover project
- Textiles analysis/research task
- Embroidery sampler & seam sampler
- Dyeing sampler
- Printmaking stencil
- Design folio
- Record of work completed (electronic)

ADDITIONAL INFORMATION

Students undertaking this course must be prepared to purchase the necessary material, sewing kits and an A4 display book.

There is a \$20 materials fee for this unit.

WOOD TECHNOLOGY

Unit Code: 9TWT

Students will develop their knowledge and skills in the area of wood work. Given a set of considerations and constraints, students will follow the design process and develop a chosen design. Students will use equipment, techniques and materials to specified levels of accuracy and precision. They will also prepare an evaluation of their project that demonstrates their ability to identify and comment on the design and function of their project. Students will be introduced to a range of complex joining processes and they will extend their competencies in the safe use of tools and equipment.

ADDITIONAL INFORMATION

There is a \$20 materials fee for this unit.

HOME ECONOMICS FOOD PREP SKILLS (SEMESTER 1)

Unit Code: 9THE1

This is a practical-skills based unit. It aims to develop basic practical skills, knowledge about safe food handling and the use of kitchen equipment. In this unit, students (using design briefs) undertake research on a variety of foods. The unit covers skills and knowledge associated with baking goods and savoury dishes.

ADDITIONAL INFORMATION

Every effort will be made to accommodate special diets, however, it will not always be possible to cater for all diets and students may need to prepare foods they will not eat.

A food fee of \$70.00 is required.

HOME ECONOMICS ITS UP TO YOU (SEMESTER 2)

Unit Code: 9THE2

This Home Economics unit focuses on the food we eat each day and how different technological and social factors have influenced our diet. It will be largely a practical-based unit, where students produce foods, such as homemade risotto, concluding with an evaluation. Students will use design briefs to devise options and then produce the preferred options with appropriate techniques and equipment.

Productions (practical tasks) will cover meals from lunch, dinner and snacks.

ADDITIONAL INFORMATION

Every effort will be made to accommodate special diets, however, it will not always be possible to cater for all diets and students may need to prepare foods they will not eat.

A food fee of \$70.00 is required.

GAME DESIGN

Unit Code: 9TGD

In this unit, students create their own games including single-player and 2-player games. They learn about designing and developing game characters, types of game play and different platforms. With simple 2D game design software such as Scratch, students program games and share them online. They then move on to building complex 3D games using the Unreal game engine, used to create games such as Batman Arkham Asylum and Street Fighter V. Students compile a portfolio over the course of the semester, consisting of designs, sketches, character maps and other materials related to the design of their games. The portfolio also contains computer code and finished programs/games.

WEB PAGE DESIGN

Unit Code: 9TWPD

Students will be introduced to a variety of software tools for the production of web pages. They will use design briefs to design, create and evaluate the web pages they produce. Students will be formally engaged in using HTML (Hypertext Markup Language) to create web pages as part of this unit. They will also be introduced to Java scripting and Adobe Dreamweaver. The production process for all work pieces requires students to investigate data presentation methods and processes. Students will complete an evaluation of their products. A major collaborative research project examining an emerging technology is also undertaken. All work must be submitted on line.

COMPUTER AIDED DESIGN

Unit Code: 9TCAD

In this unit students reinforce their basic CAD (Computer Aided Drawing) skill through a range of set exercises using software such as Sketch-up, Turbo CAD and Blender. Students will develop skills associated with two and three-dimensional drawing, designing, rendering, extruding and scaling. These skills will be beneficial in VCE studies such as Graphic Communication, Product Design & Technology and Systems Engineering.

FLIGHT, DRONES AND DESIGN

Unit Code: 9TFDD

Students will be exposed to 21st Century design skills with both hardware and software. The students will build skills in creativity, collaboration, critical thinking and communication. Students will have the opportunity to investigate the history and principles of flight, from the Bernoulli principle to automated flight control systems; design, build and test a simple kite and research, design and 3D print a drone frame. Students will complete two Common Assessment Tasks, including a digital poster creation and the presentation of their drone prototype.

ADDITIONAL INFORMATION

There is a \$75 materials fee for this unit.

NEXT GEN DESIGN

Unit Code: 9TNGD

Next Generation Design is an elective that will expose students to 21st Century design skills with both hardware and software. Students will build skills in creativity, collaboration, critical thinking and communication. The focus of this course is designing marketable, wearable tech and 3D printed items. Students will investigate modern design media, from 3D printed wearables/tech to 3D printed pop culture figures; create wearable prototypes using 3D printed designs and littlebits electronics and market their product with a focus on cost, profit margins and website creation culminating in a showcase with senior leadership and/or industry leaders in a shark tank style scenario.