9

Rosehill
Secondary College

NINE

2019

COURSE SELECTION HANDBOOK

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CURRICULUM STRUCTURE

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Mathematics
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- Italian
- Japanese

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The Arts
- Art
- Music
- Drama
- Visual Communication Design

Enhanced Numeracy
Enhanced Literacy

Technology
Food Technology
Materials Technology
Systems Technology
Textile Technology

Semester Elective Units

Money and Markets
3D Art
Performance Studies
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Core

English
Mathematics
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Semester Core Units

Humanities
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- Italian
- Japanese

Physical Education and Health
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- Classroom Music
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- Visual Communication Design

Enhanced Numeracy
Enhanced Literacy

Technology
Food Technology
Materials Technology
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Year 9 Units of Study

Core

English
Mathematics
Science

Semester Core Units

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Languages
- Italian
- Japanese

Physical Education and Health
The Arts
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- Drama
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- Media Studies 1: Introduction to Media

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Semester Elective Units

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Advanced Materials Technology
Advanced Systems Technology
Materials Technology for Girls
Systems Technology for Girls
Computer Programming
Web Design and Interactive Multimedia
History and Popcorn

CORE AND ELECTIVE NUMBER OF PERIODS

Semester 1	Semester 2
CORE all year English 3 periods Mathematics 3 periods Science 3 periods	
Core Technology – a range of units to choose from – 3 periods a week	Core Humanities – 3 periods a week
Core Languages – 3 periods a week	Core Physical Education and Health – 3 periods a week
Core The Arts – a range of units to choose from – 3 periods a week	Elective – a range of units to choose from Technology / Languages / The Arts / Humanities / Physical Education and Health – 3 periods a week
Literacy – 2 periods a week (Year 7 & 8) Interdisciplinary – 2 periods a week (Year 9)	Numeracy – 2 periods a week (Year 7 & 8) Interdisciplinary – 2 periods a week (Year 9)

SPECIAL REQUIREMENTS

The Arts

Music
Due to the hands on approach in all Music units, students are required to enrol in instrumental music classes at the beginning of the year and to continue learning the instrument for the whole year.

Performance Studies
Students may be required to attend afternoon and weekend rehearsals.

Stage and Jazz Band
At least one year experience on the specified instrument. Students must maintain tuition on their chosen instrument for the year.

Languages

1. At least one unit of Languages must be studied in each year from Year 7 to Year 10.
2. Students who wish to go on to VCE Languages must successfully complete at least five units over the four years from Year 7 to Year 10 in the following sequence: Year 7 Languages, Year 8 Languages, Year 9 Languages, Year 10 Languages 1 and 2. Students who have completed less than five units and have some language background or other studies in Italian or Japanese, and wish to enrol in VCE, must sit an interview with their Languages teacher.

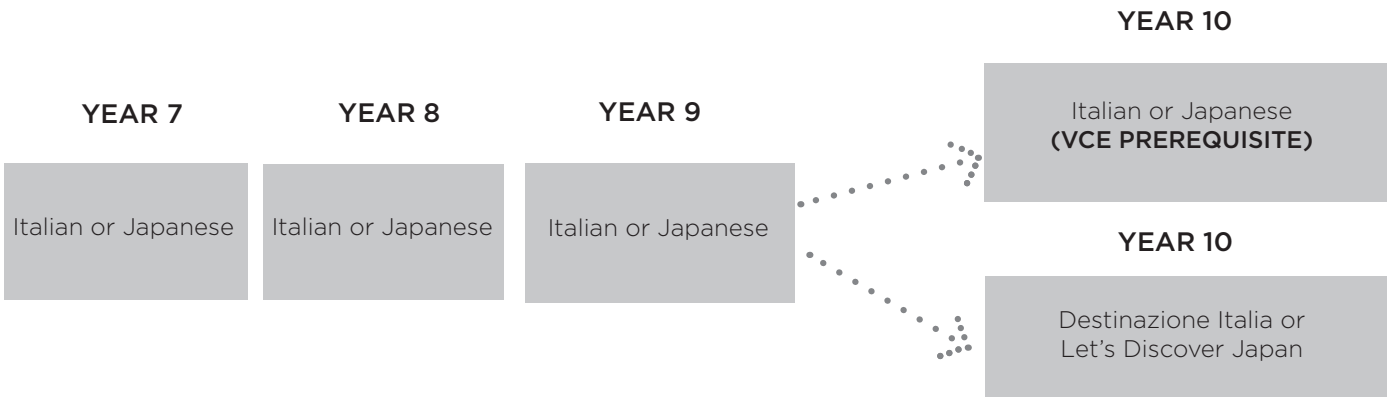
Year Level	Subjects needed to be completed to do VCE Languages	
Year 7	Year 7 Languages	
Year 8	Year 8 Languages	
Year 9	Year 9 Languages	
Year 10	Year 10 Languages 1	Year 10 Languages 2

YEAR 9 Languages Units

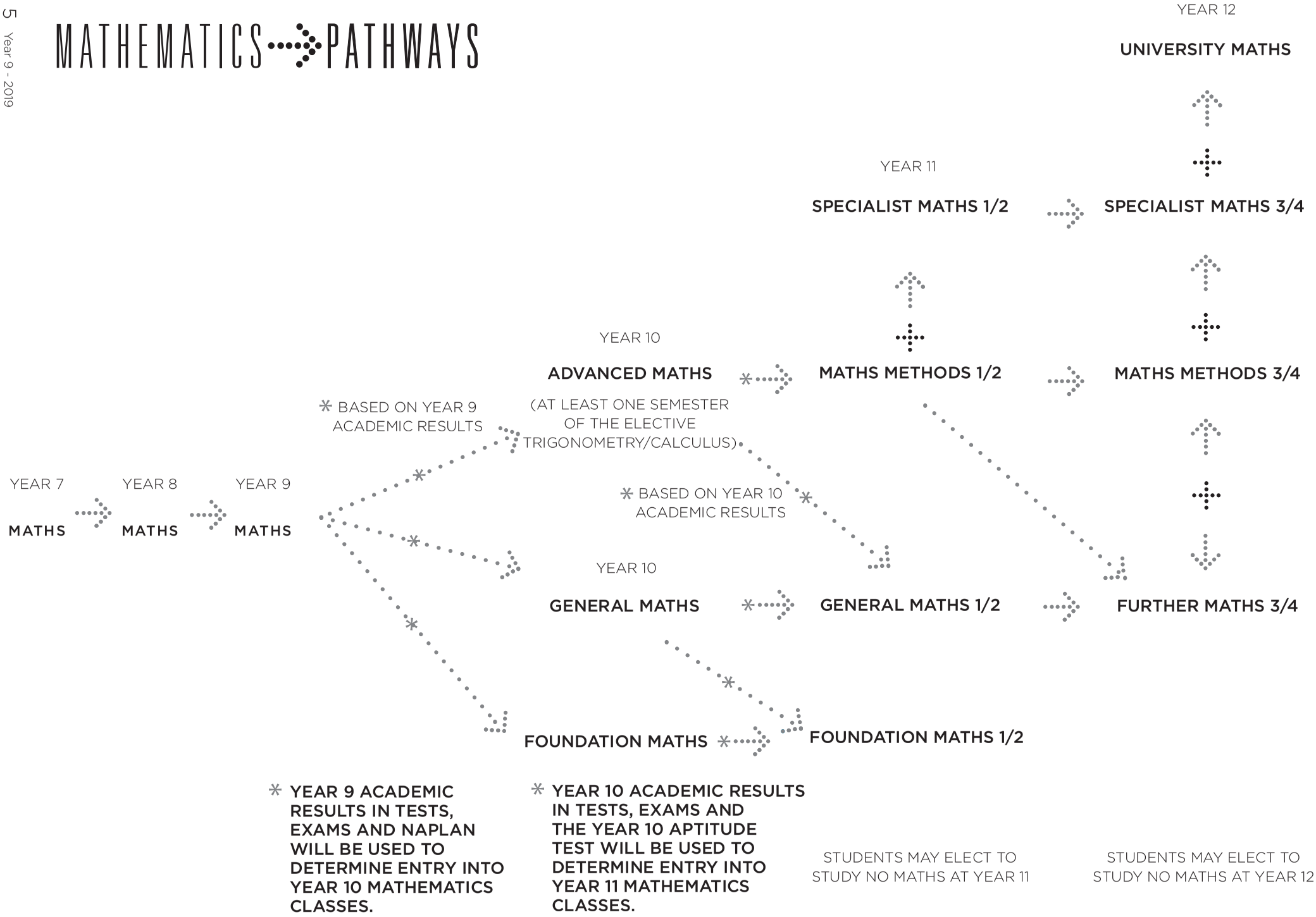
Year Level	Unit
9	YEAR 9 ITALIAN
	YEAR 9 JAPANESE

- Students are required to study Languages in a sequence from Year 7 to Year 10, so they **cannot change language after Year 7** unless they are approved as having the required language skills by an appropriate Languages teacher.
- All students must complete one unit of Languages in Year 9 (Italian or Japanese).

LANGUAGES PATHWAYS



MATHEMATICS PATHWAYS



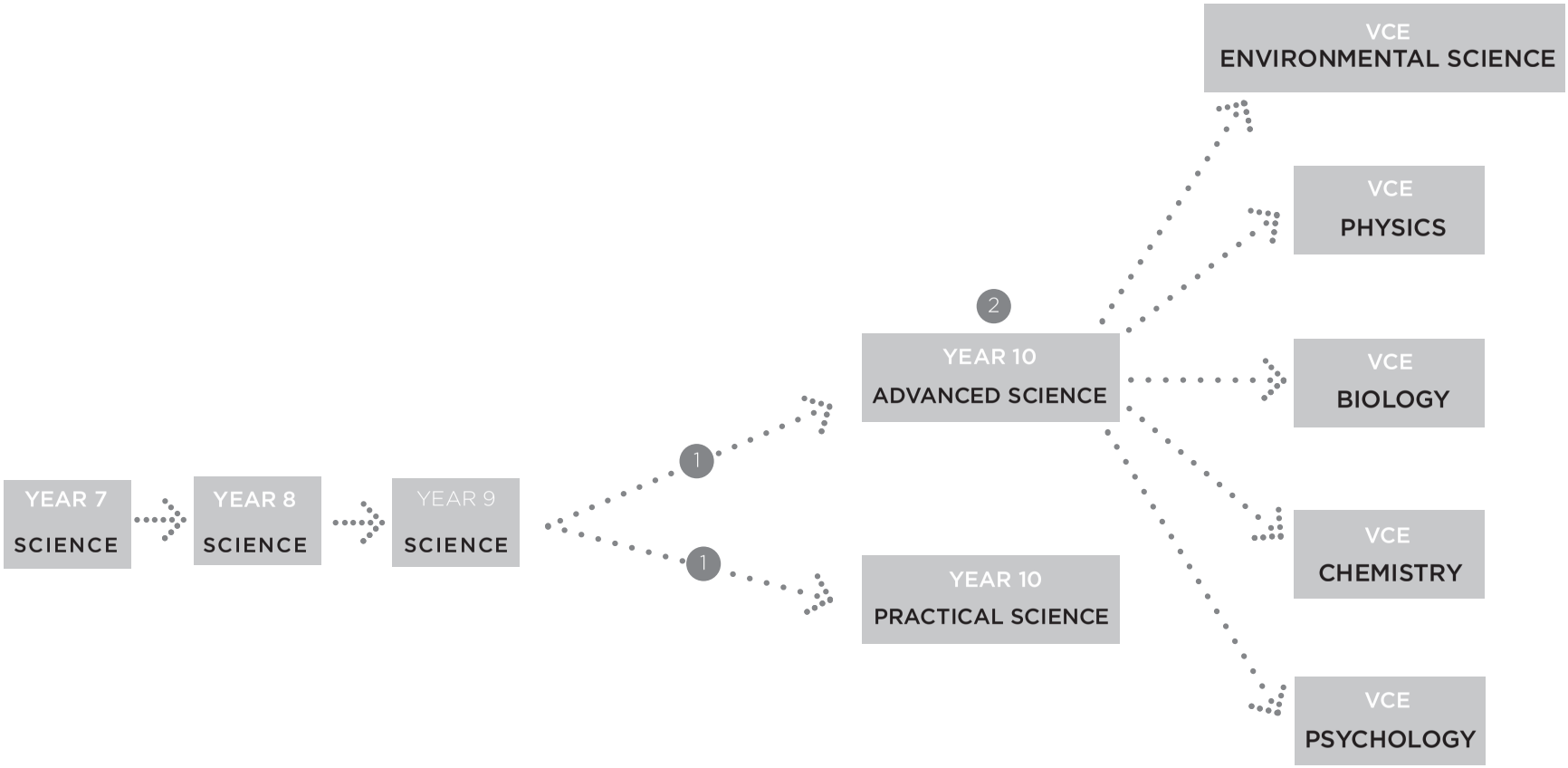
* **YEAR 9 ACADEMIC RESULTS IN TESTS, EXAMS AND NAPLAN WILL BE USED TO DETERMINE ENTRY INTO YEAR 10 MATHEMATICS CLASSES.**

* **YEAR 10 ACADEMIC RESULTS IN TESTS, EXAMS AND THE YEAR 10 APTITUDE TEST WILL BE USED TO DETERMINE ENTRY INTO YEAR 11 MATHEMATICS CLASSES.**

STUDENTS MAY ELECT TO STUDY NO MATHS AT YEAR 11

STUDENTS MAY ELECT TO STUDY NO MATHS AT YEAR 12

SCIENCE PATHWAYS



1 **Year 9 academic results** in projects, tests and exams will be used to determine which stream of science you can complete at year 10.

2 **Year 10 Advanced Science academic results** in projects, tests and exams will be used to determine which stream of VCE science you can complete. Please note students must complete both semesters of Advanced Science to be eligible for VCE.

Note: Students may elect to complete no science at Year 11 or Year 12

TECHNOLOGY OVERVIEW YEAR 7-9

	Technology Core	Elective Units	
Year Level	*Must select 1 each year* • Students must choose a different unit each year	*Prerequisite* • Students must complete a core unit before they can select this unit	*No Prerequisite* • Students can select this unit without completing a core unit
7	**Students choose 1 from:** • Food Technology • Materials Technology • Systems Technology • Textile Technology	Not Applicable	• Materials Technology for Girls
8	**Students choose 1 from:** • Food Technology • Materials Technology • Systems Technology • Textile Technology	• Advanced Food Technology • Advanced Materials Technology	• Materials Technology for Girls
9	**Students choose 1 from:** • Food Technology • Materials Technology • Systems Technology • Textile Technology • Get Online - Using Information Technology Today	• Advanced Food Technology • Advanced Materials Technology • Advanced Systems Technology	• Materials Technology for Girls • Systems Technology for Girls • Computer Programming • Web Design and Interactive Multimedia

ENGLISH 1 & 2

Reading and Viewing: Students analyse the ways that text structures can be manipulated for effect. They analyse and explain how images, vocabulary choices and language features distinguish the work of individual authors. They select evidence from the text to analyse and explain how language choices and conventions are used to influence an audience.

Writing: In creating texts, students demonstrate how manipulating language features and images can create innovative writing. They create texts that respond to issues interpreting and integrating ideas from other sources. Students edit for effect, selecting vocabulary and grammar that contribute to the precision and persuasiveness of texts and use accurate spelling and punctuation.

Speaking and Listening: Students listen for ways to position an audience. They create texts that respond to issues, interpreting and integrating ideas from a range of sources. Students make presentations and contribute actively to class and group discussions, comparing and evaluating responses to ideas and issues.

School Assessed Coursework
- Text Response
- Writing and Language Development
- Oral Communication
- Exam

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

Secondary EAL students enter school in Australia with a diverse range of educational backgrounds and prior experience with English. Many will be encountering English for the first time. Others will have studied English in their primary or secondary schooling in their country of origin.

Some may have had no schooling related to their first language in written form. These students first need to acquire oral English and basic literacy in English, and will be assessed in Stage SL before moving to Stage S1. EAL teachers report that many of these students acquire oral English very quickly, because of the different aural and memory capacities they have developed through growing up without access to the written word.

School Assessed Coursework
- Writing and Language Development
- Oral Communication

MATHEMATICS 1

This unit covers content from the 'Measurement and Geometry', and 'Number and Algebra' strands of the Victorian Curriculum. Students will complete the following topics:

Measurement and Geometry– Students explore composite area; total surface area and volume; determine conditions for similarity and congruence; and investigate angle relationships on parallel lines.

Algebra – Students use methods of algebraic manipulation to expand, rearrange and simplify expressions.

Number – Students use scientific notation and the first six index laws.

Statistics – Students collect, describe, analyse and display comparative data.

School Assessed Coursework
- Topic Tests
- Application Tasks
- Exam

MATHEMATICS 2

This unit covers content from the 'Measurement and Geometry', 'Statistics and Probability', and 'Number and Algebra' strands of the Victorian Curriculum. Students will complete the following topics:

Pythagoras' Theorem and Trigonometry – Students solve simple right-hand triangle problems using Pythagoras' theorem and trigonometric ratios.

Probability – Students investigate two-step experiments.

Financial Mathematics – Students apply their understanding of percentages in a financial context.

Algebra – Students graph and interpret linear graphs.

School Assessed Coursework
- Topic Tests
- Application Tasks
- Exam

INTERDISCIPLINARY STUDIES

The focus of the Year 9 Interdisciplinary Unit is to develop teamwork, communication and leadership skills. The aim is to develop responsibility, respect and awareness of individuals and the community both within and outside the school setting. This is achieved through encouraging and providing opportunities for students to work together via a range of group activities.

In Semester One, the Contributing to the Community topic sees students learning about a range of charitable organisations and culminates in the students organising and running Rosefest (school carnival) to raise money for charity. Following this, students participate in the Life Skills Circuit, covering a range of topics including banking and financial education, cyberbullying, and emotional intelligence. Students also learn about developing a Growth Mindset and persevering in the face of adversity to achieve their goals.

School Assessed Coursework
- Community Project
- Life Skills Folio

In Semester Two, the focus is on Careers and City Experience. The Careers topic is intended to provide students with an understanding of the workforce. There are three phases in the City Experience topic. The first phase, Pre-City, prepares students for various aspects of their city experience, including public transport use, safety, developing a hypothesis and designing questions for surveys. The second phase is City Week and students take part in excursions and conduct their surveys and interviews. The final Post-City phase requires students to draw conclusions from their survey responses and present their findings to peers and family members at a formal presentation evening.

School Assessed Coursework
- Careers Folio
- City Experience / Presentation

SCIENCE

In Science, students will study topics across five different disciplines of Science. These disciplines include Science as a Human Endeavour, Physics, Earth and Space Science, Chemistry and Biology.

First Semester

Light - Students will explore how images can change when the arrangement of the mirror or lens system is altered. They will also study the spread and order of colours in the visible spectrum. **Atomic Structure –** Students will learn that all matter is made of atoms, which are composed of protons, neutrons and electrons. They will also learn that some atoms can become unstable and can decay, releasing radiation. **Periodic Table –** Students will study how the chemical and physical properties of an element are determined by its atomic structure and that the periodic table organises these elements into families that display similar properties. **Ecosystems –** Students will understand that ecosystems consist of interdependent populations of organisms and their abiotic environments. Students will also learn that matter cycles and energy flows through ecosystems between living systems and the physical environment. **Systems Coordination –** Students study how regulation and coordination takes place in animals. This will involve a detailed study of the Nervous and Endocrine systems.

Second Semester

Sound – Through investigation, students will understand that the properties of sound can be explained by using a wave model to describe the measured properties of sound, wavelength and frequency. **Conservation of Matter –** Students will learn that chemical reactions involve the rearrangement of atoms to form new substances without the loss of any matter. **Conservation of Energy –** Students will learn that when energy is transferred from one object to another or transformed from one form to another, some energy is always transformed to a less useful form of energy. **Dynamic Earth –** Students will study how the earth is a dynamic system that is constantly changing due to geological processes that have occurred over billions of years. They are introduced to the theory of plate tectonics, which explains global patterns of geological activity and continental movement.

School Assessed Coursework
- Assignments
- Unit Tests
- Practical Work
- Exam

HUMANITIES

This unit includes the study of both Geography and History.

In Geography students will investigate and study Biomes and Food Security. Students will learn about the challenges in feeding the current and projected populations of Australia and the world, and responses to these challenges. Students will have the capacity to be informed, responsible and active citizens who can contribute to the development of a world that is environmentally and economically sustainable, and socially just. Students will continue to develop their ability to analyse and evaluate geographical data, maps and information using digital and spatial technologies and Geographical Information Systems as appropriate.

In History students will continue to develop their historical knowledge and skills through key inquiry questions and the examination and analysis of historical sources. Students will study the making of the modern world. They will study the impacts of the Industrial Revolution on people and the environment and investigate the movement of people. Students will analyse the long-term causes, short-term triggers and the intended and unintended effects of significant events and developments. They will also analyse the different perspectives of people in the past and evaluate how these perspectives are influenced by significant events, ideas, location, beliefs and values.

School Assessed Coursework
- Assignments
- Workbook
- Tests

ITALIAN

This unit is a continuation of Year 8 Italian. All students studying Italian are required to select this unit. The course will include many new and more complex grammatical structures, extended vocabulary and use of the language in everyday contexts. This unit will incorporate the four areas of speaking, listening, reading and writing. Students will be required to use more of the target language in class. Through reading and writing tasks, students will enhance their cultural and social understanding. Themes covered will include Leisure time and Hobbies, Health, Fitness and Nutrition, Clothing, Fashion and Shopping, and Italian Food and Cuisine. This unit will also involve the study of Italian and world culture such as World Currencies, Celebrations, Famous Cities and the Italian Culture in Australia.

School Assessed Coursework
- Listening and Reading Comprehension
- Speaking Tasks
- Writing Folio

JAPANESE

This unit is a continuation of Year 8 Japanese. All Year 9 students studying Japanese must complete this unit. This unit will incorporate the four areas of speaking, listening, reading and writing. Students will be expected to participate in speaking activities, role-plays, dialogue readings and written activities. Students study topics such as Hobbies, Daily Routines, Transport, Sports and Leisure. Through reading and writing tasks, students' cultural and social understanding of Japan will be expanded. By the end of this unit, students will be able to participate in short conversations and read short passages in order to identify main themes. Students will also be able to use models to create simple sentences and use newly acquired language to create games and activities. More kanji scripts will be introduced.

School Assessed Coursework
- Listening and Reading Comprehension
- Speaking Tasks
- Writing Tasks

ART

Students will learn about a selection of art-making techniques such as drawing, collage, painting and printmaking. They will investigate the work of artists from different times and places and will continue to use their folio to document their research and development of skills. Students continue to learn to analyse and interpret the messages that are communicated within artworks, using art language to describe what they see.

This subject can be selected in addition to, or instead of Year 9 3D Art.

School Assessed Coursework
- Art Folio
- Art Literacy
- Final Presentations

VISUAL COMMUNICATION DESIGN

Students continue to develop their understanding of the design elements and principles, using this knowledge to discuss and analyse designs. They work through design processes, producing industrial (product) and communication (print) designs. They create a range of finals including posters and 3D products. Students practice a range of rendering techniques and learn the process of producing some technical drawings. All work is documented in their design folio.

Some work in this subject is undertaken on student laptops using Adobe Illustrator or Adobe Photoshop (supplied by the school), so a laptop and printing credit are essential requirements.

School Assessed Coursework
- Design Folio
- Design Literacy
- Final Presentations

CLASSROOM MUSIC

The main focus of this unit is song-writing as students are taught the essentials to writing a song and then given ample opportunities to create their masterpiece. Students look at the history of Blues music and how it has influenced today's music. Theory focuses on chord progressions, scales and rhythms to assist in this song writing process. Students will also spend class time preparing for a performance.

Due to the practical application involved in this unit, it is a requirement for all students in this subject to be enrolled in instrumental lessons.

School Assessed Coursework
- Workbook / Theory
- Ensemble Participation
- Performance
- Compositions

DRAMA

The unit will concentrate on performance and analysis of performance. It aims to engage students in active learning and build a student's confidence. Students will study improvisation, acting technique, different performance styles, scripted drama, script writing, individual and group performance and journal writing. There will also be a research assignment. Students will have the opportunity to see a professional theatre performance.

School Assessed Coursework
- Research Assignment
- Live Performance
- Performance Analysis

DANCE

In Year 9 Dance, students will participate in several practical classes that cater to developing technical and performance skills through the learning of a whole class dance routine. Students will apply dance making or choreographic processes in a group work assessment task and refine their performance and rehearsal skills through the performance of their collaborative work. Students will discuss and respond to the use of physical skills, body actions and dance elements both in their own and others' work and research different people who have made a career out of dance.

School Assessed Coursework
- Journal
- Learnt Work Performance
- Group Work Performance
- Research Project

MEDIA STUDIES 1: INTRODUCTION TO MEDIA

This subject aims to assist students to develop skills in and an understanding of the techniques, processes, equipment and technologies that are used in the creation of a range of media products. Students will be able to apply their knowledge and skills to develop and communicate their ideas through the creation of their own media products. Production tasks will include the creation of digital stories, video production and photography activities. Students will also discuss the cultural and historical influences on a range of contemporary and traditional media texts and discuss characteristics common to media texts from the past and present and or from different times and places.

School Assessed Coursework
- Media Production (Final Products)
- Media Analysis Tasks
- Production Planning Documentation

PHYSICAL EDUCATION AND HEALTH

This unit encourages students to analyse team tactics, skills and movement patterns in a range of non-traditional sports. Students will also participate in a variety of sports modified for people with disabilities. This unit aims to develop the students' empathy and appreciation of diversity.

- Badminton
- European Handball
- Softball
- AFL 9's
- Fitness and Weight Training
- Sports modified for people with disabilities

The health component will examine topics such as drug education, party safe, mental health and risk taking behaviour.

School Assessed Coursework
- Skill Development
- Health Assignment
- Harm Minimisation Assignment

FOOD TECHNOLOGY

Year 9 Food Technology adopts a closely related theoretical and practical approach to learning. In this unit, students will develop their knowledge, understanding and application of sensory analysis, food safety and hygiene, food labelling, cooking methods and food terminology. They will investigate the digestive system, how nutrients are absorbed during this process and the effect on overall health. Nutrient functions, sources and their simplest form are examined in detail and students use this information to generate, produce and evaluate food items. They will also apply the recommendations of some Australian food selection models to generate and evaluate food items. Students will critically analyse social, ethical and sustainability factors that impact on making informed food choices in line with global preferred futures. During weekly production sessions, students will produce a range of food items. They will have the opportunity to develop and improve their food preparation, cooking and presentation skills.
Students will use the design process to investigate, generate, plan and manage, produce and evaluate a range of designed solutions in response to specific design brief scenarios. These can vary in complexity depending on the student's ability.

School Assessed Coursework
- Investigation
- Food preparation skills
- Food portfolio
- Design briefs

MATERIALS TECHNOLOGY

In this unit, students will develop the ability to work with a range of materials such as wood, metal and plastics. They will implement a variety of skills relating to the design and investigation of products which will then be produced in later stages of the unit. During the semester, they will be instructed in the safe use of the tools, equipment and machines required to complete individual production models. On completion of the production tasks, students will be required to evaluate the design features, processes, tools and equipment used and make recommendations for future product modifications and improvement.

School Assessed Coursework
- Investigation
- Production Skills
- Design Folio / Briefs

SYSTEMS TECHNOLOGY

In this unit, students will develop an understanding of electrical and mechanical processes and theory. They will also gain a basic understanding of solar energy and its uses in everyday situations. An understanding of electrical and mechanical processes, will be developed through the investigation, design, production and evaluation of simple, easily built models. Students will develop a range of technological and manipulative skills and will be encouraged to work with a variety of materials as well as a range of tools and equipment.

School Assessed Coursework
- Investigation
- Production Skills
- Design Folio / Briefs

COMPUTER APPLICATIONS

In this unit students will build upon and extend their skills in the use of Information technologies. Students will use a variety of information technology tools and techniques to assist with visualising their thinking, communicating, planning and creating information products and solving information problems. Students will develop a digital portfolio of work that will include products, such as slide shows, websites, visual stories, brochures, reports, graphics and animations. Students will also learn to enhance their skills when conducting research using the Internet and will use Internet based communication tools such as Wikis, Blogs and electronic messaging to share their ideas and understandings of information technology.

School Assessed Coursework
- Folio of Production Tasks
- Multimedia Assignment
- Investigation Assignment

TEXTILE TECHNOLOGY

Through inquiry and investigation, students will extend their knowledge and understanding of textile materials, processes and terminology. Students will investigate fabric manipulation and shaping techniques. They will select and use a range of fastenings. They will investigate a more complex range of dress making techniques. Students examine commercial patterns and create their patterns to ensure accuracy, making links to modern production techniques. Practical skills are enhanced through a range of focused practical tasks. Students will revisit the design process and complete a major design brief where they will use the design process to investigate, generate, plan and manage, produce and evaluate a garment. This task can vary in complexity depending on the student's ability.

School Assessed Coursework

- Focused Practical Tasks
- Design Brief/s

ELECTIVE UNITS

COMMERCE

This unit introduces students to the world of commerce and provides them with an understanding of political, legal, economic and financial issues that will be relevant to their lives. Students learn about the key features of Australian Government including the responsibilities of the levels of government, how elections take place, political parties and how laws are created and changed. They use a current issue to investigate how to take political action to bring about changes to the law. Students learn about the key features of the Australian legal system including the court hierarchy, the distinction between criminal and civil law and their basic legal rights and responsibilities. Students also learn about how the Australian economy operates and the key factors that influence the economy. Students develop the knowledge and skills to make informed economic and consumer decisions, demonstrating the development of personal financial literacy including personal money management and budgeting.

School Assessed Coursework
- Assignments
- Workbook
- Tests

3D ART

Students will work with a selection of 3D art-making mediums such as wire, cardboard, papier-mâché and air-dry clay. They will investigate the work of artists from different times and places and will continue to use their folio to document their research and development of skills. Students continue to learn to analyse and interpret the messages that are communicated within artworks, using art language to describe what they see.

This subject can be selected in addition to, or instead of Year 9 Art.

School Assessed Coursework
- Art Folio
- Art Literacy
- Final Presentations

DANCE FOR BOYS

This unit is specifically designed for Year 9 and 10 boys who are interested in learning how to dance. During this unit, boys will be encouraged to learn and create movements in the hip hop and break dancing genres. They will develop technical and performance skills through the learning of a whole class dance routine. Students will also apply dance making or choreographic processes in a group work assessment task and refine their performance and rehearsal skills through the performance of their collaborative work. Students will also study and analyse different male dancers work through video analysis and male guest teachers.

School Assessed Coursework
- Learnt Work Performance
- Group Work Performance
- Assignments

PERFORMANCE STUDIES

This unit's aim is to introduce students to a wide variety of performance skills. This unit caters for students with different levels of experience and skills; it aims to engage students in active learning and build students' confidence. Students will study acting, dancing and singing in preparation for the annual school production which may be a musical or cabaret. Students will get to experience what it means to be in a real production. The main aspect of the class is the rehearsal process for the production but there is also a theory component which is rotated between the history of the musical, the history of performance and the history of technical theatre. Students will be expected to complete a research project, a journal and a review of the school production.

School Assessed Coursework
- Performance Styles
- Live Performance
- Class and Homework Exercises

BAND CLASS

The main goal of this elective is performance in a range of styles. Students will be required to participate in a minimum of two performances a semester. They will rehearse during specified periods and opportunity will be given for section rehearsals or small ensemble rehearsal during that time. This unit is ideal for any student wishing to extend their performance skills. No prior theory knowledge is needed to be in this subject.

A prerequisite of this unit is that students must have knowledge on an instrument.

School Assessed Coursework
- Journal / Workbook
- Performance
- Ensemble participation
- Assignments

MEDIA STUDIES 2: THE DIGITAL WORLD

This subject aims to assist students to develop skills through the application of appropriate production techniques to communicate intended ideas when planning and developing digital media products. Students will experiment with and explore how digital photographic software can be used to adjust, alter and enhance images. Students will also study a series of films and then apply their knowledge of film production to create their own short films. Students will also examine the role and impact of the media within our society through the analysis of issues such as the media's portrayal of gender and the relationship between the development of new digital and social media and traditional forms of media such as photography and film.

School Assessed Coursework
- Media Production (Final Products)
- Media Analysis Tasks
- Media Production Planning Documents

BOOT CAMP

This unit provides an opportunity for students to develop their personal fitness level and physique. Muscular strength, speed, power and agility are just some of the fitness components that will be examined. Students will have the opportunity to design and implement their own training program with the aim of improving their physical fitness and sporting performance.

In addition, students will have the opportunity to experience a range of fitness classes within the local community. Activities and topics undertaken throughout the unit include:

- Training Methods
  - Weight training
  - Boxercise
  - Spinning
  - Pump
  - Circuit training
  - Core strength training
  - Plyometric training
- Designing a training program
- Training Principles
- Energy Systems
- Fitness Components

School Assessed Coursework
- Training Program Log
- Skill Development
- Research Assignment

THRILLS AND SPILLS

This exciting unit gives students the chance to involve themselves in a range of activities that take them 'out of their comfort zone'. The activities in this unit have been selected to raise the heart rate, increase personal confidence and pump up the adrenalin.

The unit aims to expose students to a variety of exciting and challenging recreational activities and will include a related theory component.

- Roller Blading
- Minor Games
- Beach Volleyball
- Go Karting
- Ultimate Frisbee
- Roller Hockey
- Trampolining
- Darts
- First Aid
- Golf

School Assessed Coursework
- Skill Development
- Research Assignment
- Sport Education Test

ADVANCED FOOD TECHNOLOGY

Prerequisite – Successful completion of Year 9 Food Technology.

Year 9 Advanced Food Technology adopts a closely related theoretical and practical approach to learning. Students who select Year 9 Advanced Food Technology should display a genuine interest in this area and a willingness to refine their skill level in order to produce more complex food products. The ability to work in a focused, independent manner is required.

Students will be expected to develop their understanding and application of nutrition principles and extend and refine their knowledge and implementation of food preparation skills, cooking methods, plate presentation and food styling techniques. Students will enhance their knowledge of food Australian food selection models, with a focus on the key food commodities and multicultural foods. During weekly production sessions, students will produce a range of food items. They will have the opportunity to develop and improve their food preparation, cooking and presentation skills. Students will use the design process to investigate, generate, plan and manage, produce and evaluate a range of more complex designed solutions in response to specific design brief scenarios. These can vary in difficulty depending on the student's ability.

School Assessed Coursework
- Investigation
- Food Preparation Skills
- Food Portfolio
- Design Brief/s

ADVANCED MATERIALS TECHNOLOGY

In this unit, students will build on the skills developed during the core unit of Materials Technology. They will be required to increase their level of competence of design and manufacturing skills and improve their understanding of materials and their uses at a basic level. Students will also be instructed in the use of simple computer design software in order to enhance their design skills. During the course of the unit, they will be instructed in the safe use of the tools, equipment and machines required to complete production models. On completion of the production tasks, students will be required to evaluate the processes, tools and equipment used for production. They will also analyse design features and suggest improvements and recommendations for their own product, as well as others.

School Assessed Coursework
- Investigation
- Production skills
- Design Folio / Briefs

ADVANCED SYSTEMS TECHNOLOGY

Students will develop a more detailed understanding of electrical and mechanical processes and theory. Students will use the design process and a problem solving approach to develop solutions to design briefs. They will refine their skills in investigating, designing, producing and evaluating electrical and mechanical products. Students will be encouraged to work with a variety of materials and techniques as well as a range of tools and equipment.

School Assessed Coursework
- Investigation
- Production Skills
- Design Folio / Briefs

MATERIALS TECHNOLOGY FOR GIRLS

The unit will be based on projects and production tasks which will be of interest to girls with a focus on craft related skills and projects. Students will develop the ability to work with a range of materials such as wood, metal and plastics. They will implement a variety of skills relating to the design and investigation of products which will then be produced in later stages of the unit. During the semester, they will be instructed in the safe use of the tools, equipment and machines required to complete individual production models. On completion of the production tasks, students will be required to evaluate the design features, processes, tools and equipment used and make recommendations for future product modifications and improvement.

School Assessed Coursework

- Investigation
- Production Skills
- Design Folio / Briefs

SYSTEMS TECHNOLOGY FOR GIRLS

This unit encourages girls to undertake studies of Systems Technology in a girl's only environment. Students will develop an understanding of simple electrical and mechanical processes and theory and will gain a basic understanding of solar energy and its uses in everyday situations. An understanding of electrical and mechanical processes will be developed through the investigation, design, production and evaluation of simple, easily built models. Girls will be encouraged to work with a variety of materials and techniques as well as a range of tools and equipment.

School Assessed Coursework

- Investigation
- Production Skills
- Design Folio / Briefs

WEB DESIGN AND INTERACTIVE MULTIMEDIA

This subject aims to provide students with a broad overview about the development and applications of interactive Internet and multimedia products. Students will develop a range of skills in the use of software, such as Flash, Photoshop and Dreamweaver to create web pages and interactive media that integrate the use of text, images, sound, animation and video. Students will investigate the ways in which these emerging technologies are transforming communication and access to information in our society and will use Internet based communication tools such as Wikis, Blogs and electronic messaging to share their ideas and understandings about information technology.

School Assessed Coursework

- Folio of Production Tasks
- Research Task
- Major Project

COMPUTER PROGRAMMING

Computer Programming is aimed at providing students with skills in computer programming. The languages studied will include Visual Basic. Investigation of these languages will serve to provide students with a basic understanding of the operation and control of computers. Key features of each programming language will be examined including variables, procedures, constants, and user input. Assessment is via a major programming project undertaken by development steps in programming skills.

School Assessed Coursework

- Folio of Tasks (Visual Basic, GameMaker)
- Major Assignment (Programming)
- Application Assignment

COMPUTER AIDED DESIGN & 3D PRINTING

In this unit you will design and print a model created and designed by you.; anything from a piece of jewellery to a model car. It is computer based and students will learn modelling skills in Fusion 360 - Computer Aided Design (CAD) software; drawing 3 dimensional models on the computer and converting them to a physical object to hold and use.

Students will complete a range of tasks from basic to advanced levels. Once achieved students design a model and use 3D printing to produce their model using the Makerbot Replicator 2 and the Ultimaker 2, 3D printers.

This unit will give students access to current prototyping and small Manufacturing & Design Technologies, creating fantastic advantages for students' future, including those interested in VCE Product Design and Visual Communications. Requirements: Laptop, Mouse.

School Assessed Coursework

- Modelling Tasks
- 3D Solid Model
- Processing files
- Printed models

HISTORY AND POPCORN

Interested in learning more about Australia's involvement in WWI? Want to understand the journey from slavery to civil rights marches in America? Do you know about major events in Aboriginal history? Do you enjoy learning about history using visual media such as films, documentaries, photos, art and primary sources? Do you like going on excursions and learning from guest speakers? Do you like to learn by working with others on co-operative group tasks? Enjoy using ICT? Like the opportunity to research a topic that you are interested in learning more about? Then this unit is for you.

This unit aims to deepen the understanding of students in three key areas touched on in the core Year 9 Humanities unit: Movement of Slaves, Aboriginal History in Australia and WWI. The course will support the development of students' historical skills through independent research tasks, source analysis and hypothesis testing. The development of these skills will support students' for success in VCE History and caters for visual and hands-on learners.

School Assessed Coursework

- Enquiry based research task
- Small group tasks and presentations
- Folio of work
- Tests

UNIT COSTS

Year 9

Subject	Unit Charges	Additional Costs
English	$20	
English as an Additional Language	$20	
Mathematics	$30	
Interdisciplinary Studies	$20	+ $90 City Experience Week Excursion Fee
Science	$30	
Humanities	$20	
Italian	$20	
Japanese	$20	
Art	$50	
Visual Communication Design	$40	
Classroom Music	$30	+ $225 Yearly Instrumental Music Lessons
Drama	$30	
Media Studies 1: Introduction to Media	$30	
Media Studies 2: The Digital World	$30	
Physical Education & Health	-	+ $20 Excursion Fee + $15 Health Workbook
Food Technology	$60	
Material Technology	$30	
Systems Technology	$30	
Computer Applications	$10	
Computer Aided Design & 3D Printing	$10	
Textile Technology	$50	+ $5 Textiles Booklet
Commerce	$10	
3D Art	$50	
Dance	$30	
Dance For Boys	$30	
Performance Studies	$30	
Band Class	$30	+ $225 Yearly Instrumental Music Lessons
Boot Camp	-	$100 Excursion Fee + $15 PE Booklet
Thrills & Spills	-	$100 Excursion Fee + $15 PE Booklet
Advanced Food Technology	$60	
Advanced Materials Technology	$30	
Advanced Systems Technology	$30	
Materials Technology for Girls	$30	
Systems Technology for Girls	$30	
Web Design & Interactive Multimedia	$10	
Computer Programming	$10	
History & Popcorn	$20	