

2019 EDITION



APPLECROSS

SENIOR HIGH SCHOOL
INDEPENDENT PUBLIC SCHOOL

Curriculum Handbook

YEAR | 9

Achieve

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Compulsory Subjects

Subject	Number of Hours
English	4 hours per week for the year
Mathematics	4 hours per week for the year
Science	4 hours per week for the year
Humanities and Social Sciences	4 hours per week for the year
Health Education	1 hour per week for the year
Physical Education (or Specialist Tennis)	2 hours per week for the year (4 hours per week for Special Tennis)
Total Compulsory Subjects	19 hours per week
The Arts Health & Physical Education Languages Technologies	6 hours per week (Must include: 1 Arts and 1 Technology & Enterprise in the total of four electives for the year)
Overall Total	25 hours per week

Note

Specialist Tennis students will have two electives at 2 hours/week each per semester.

Special Art students are required to select both Special Art Units and one other Art Course in Semester One or Two.

List of Proposed Excursions – A list will be available for all subjects from 1 December the year preceding studies. This will be available under the 'Back to School' tab.

All course costs are given as a guide only. These are based on the 2018 pricing structures and are subject to change in 2019.

The Arts

MUSIC

The Music program is a three-part package, which consists of:

- Class Music elective
- Instrumental lessons
- Ensemble membership

An important definition:

Instrumental Music School Services (IMSS) is the Department of Education's instrumental lesson program available in most government schools throughout Western Australia. You may know of it as 'SIM' or 'SIMS'.

ELIGIBILITY FOR THE MUSIC PROGRAM

There are three ways to be eligible for Music at Applecross Senior High School:

- Continue your IMSS instrument
- Continue a privately taught instrument – please see Ensembles list below.

ENSEMBLES

Year 9 students participate in one of the following ensembles, depending on their level of advancement:

- Either Concert Band 2 or Concert Band 1 (flute, clarinet, saxophone, trumpet, trombone, euphonium & percussion)
- Either Cygnet String Orchestra or Scimitar String Orchestra (violin, viola, cello & double bass)
- Either Junior Guitar Ensemble or Senior Guitar Ensemble (for classical guitar only)
- Chamber Choir (for all vocal students from Year 7-12...other keen Music students are also welcome)

Each year, auditions are held so that more advanced students are able to progress to the senior ensembles (Concert Band 1, Scimitar String Orchestra and Senior Guitar Ensemble). The auditions assess the student's capacity to play at the appropriate technical level for these ensembles. Information about auditions is made available by newsletters and Connect notices.

PERFORMANCES

Typically, Year 9 students perform in three events each year:

- Winter Concert in Term Three
- WA Schools' Festivals in Term Two and/or Three
- Students in senior ensembles will be involved in the Winter Concert (Term Two) and Spring Concert (Term Three)
- 'Under the Stars' end of year picnic concert

Please note these matters of Instrumental Music School Services policy:

1. IMSS does not normally allow students to change instruments.
2. Privately taught students are not normally permitted to enter the IMSS Program.

Class, Instrumental and Ensemble Music - 9MUS and 9MUSB

Class Music is designed for students to develop skills that are vital to successful instrumental and ensemble performances. In this course, students will develop skills in listening awareness (aural perception) and basic music knowledge (theory). They will also express themselves through composition and arrangement activities, as well as gaining an understanding of what makes us listen to, and enjoy music of different eras, cultures and styles (Music in Society). Practical music-making activities are a small but regular component of this course.

The cost of this course in 2018 was \$45.00 per semester.

Special Conditions: Completion of courses 8MUS and 8MUSB is a prerequisite for studying these Year 9 music courses. If these courses have not been completed, an interview with the Head of Music is required. Students must learn a musical instrument at school or privately.

VISUAL ARTS

Special Art Printmaking – 9SPA (Semester 1)

This course will explore the techniques associated with relief-printing and intaglio. Students will develop Art Language specific to Printmaking, an understanding of the conventions of Printmaking and an appreciation for the role of Printmaking in the history of human development. They will discover the importance of careful drawing and design preparation to produce controlled Printmaking investigations. Students will produce at least one major work for display.

The cost of this course in 2018 was \$65.00.

Special Art Fibre Textiles - 9SPAB (Semester 2)

Students will explore a range of fabric-printing techniques and/or dyeing, stitch, embroidery, applique etc. to produce a finished functional or non-functional textiles piece. Students will develop Art Language specific to Textiles and an understanding of the conventions of Textiles and an appreciation for the role of textiles in the history of human development. They will produce at least one major work for display.

The cost of this course in 2018 was \$65.00

NOTE: The Special Art courses are available only to selected Gifted & Talented Visual Art students. Please note that an additional Special Art charge applies for Saturday morning tutorage, this costing in 2018 was \$380

Media – 9MED (Semester 1)

Students explore current viewpoints of Australian and/or international media work as they make film, television, photography, or online media formats. Students learn skills and processes for problem-solving, working as a team, following timelines and using processes and strategies to ensure creative and responsible use of media equipment. Media focus options may be either Media Fiction (for example: TV fiction, comics and graphic novels, magazines) or Media Non-Fiction (for example: documentaries, news stories, current affairs stories).

The cost of a similar course in 2018 was \$65.00

Media – 9MEDB (Semester 2)

Students explore current viewpoints of Australian and/or international media work as they make film, television, photography, or online media formats. Students learn skills and processes for problem-solving, working as a team, following timelines and using processes and strategies to ensure creative and responsible use of media equipment. Media focus options may be either Media Fiction (for example: TV fiction, comics and graphic novels, magazines) or Media Non-Fiction (for example: documentaries, news stories, current affairs stories).

The cost of a similar course in 2018 was \$65.00

NOTE: The content for this course will be unique and different to Semester One.

Design – 9DES (Semester 1)

In Design, students will learn how to develop artistic (traditional and digital) skills using industry standard design software such as Adobe Photoshop, Illustrator and InDesign. Students will be introduced to the processes of design, creativity, problem solving and gain a deeper understanding of how design works, and how beliefs, values, attitudes, messages and information are effectively communicated. Students will be given the opportunity to develop images (both photographic and illustrated) into computer-generated designs. Areas explored may include: Graphic Design, Photography, Digital Art, Image Manipulation and 2 Dimensional and Mixed media.

The cost of a similar course in 2018 was \$65.00

Design – 9DESB (Semester 2)

In Design, students will learn how to develop artistic (traditional and digital) skills using industry standard design software such as Adobe Photoshop, Illustrator and InDesign. Students will be introduced to the processes of design, creativity, problem solving and gain a deeper understanding of how design works, and how beliefs, values, attitudes, messages and information are effectively communicated. Students will be given the opportunity to develop images (both photographic and illustrated) into computer-generated designs. Areas explored may include: Graphic Design, Photography,

Digital Art, Image Manipulation and 2 Dimensional and Mixed media.

The cost of a similar course in 2018 was \$65.00

NOTE: The content for this course will be unique and different to Semester One.

Photography and then Design –9PHO (Semester 1)

In Photography students learn how to use digital cameras on manual settings, exploring Adobe software creatively. They develop their ideas and techniques to make artworks for either a Design or Fine Art outcome. Students explore use of light, elements and principles of design and composition through both the use and study of new and traditional photographic media. Art styles studied may include: 20th Century Australian and International art and design.

The cost of a similar course in 2018 was \$65.00

Photography and then Design –9PHOB (Semester 2)

In Photography students learn how to use digital cameras on manual settings, exploring Adobe software creatively. They develop their ideas and techniques to make artworks for either a Design or Fine Art outcome. Students explore use of light, elements and principles of design and composition through both the use and study of new and traditional photographic media. Art styles studied may include: 20th Century Australian and International art and design.

The cost of a similar course in 2018 was \$65.00

NOTE: The content for this course will be unique and different to Semester One.

Visual Art –9ART (Semester 1)

In Visual Art students make resolved artworks in either 2 or 3 Dimensions. They learn how to document ideas applying understanding of compositional structure to create a unique personal response, while representing either a theme/concept or subject matter. Students also critically analyse traditional and contemporary artwork using analysis frameworks. Art forms may include: painting, printmaking, drawing, collage, ceramics and sculpture. Art styles studied may include: Ancient art, Impressionism, Expressionism, Cubism, Art Nouveau, Art Deco, Op Art, Pop Art, Australian art, contemporary

craftspeople, designers and photographer and urban art.

The cost of a similar course in 2018 was \$65.00

Visual Art –9ARTB (Semester 2)

In Visual Art students make resolved artworks in either 2 or 3 Dimensions. They learn how to document ideas applying understanding of compositional structure to create a unique personal response, while representing either a theme/concept or subject matter. Students also critically analyse traditional and contemporary artwork using analysis frameworks. Art forms may include: painting, printmaking, drawing, collage, ceramics and sculpture. Art styles studied may include: Ancient art, Impressionism, Expressionism, Cubism, Art Nouveau, Art Deco, Op Art, Pop Art, Australian art, contemporary craftspeople, designers and photographer and urban art.

The cost of a similar course in 2018 was \$65.00

NOTE: The content for this course will be unique and different to Semester One.

History of Art –9HART (Semester 1)

Students will study the History of art from caveman to modern day. We will look at the reason we make art and the purpose of artefacts back to the stone age. We will explore how and why art changes with time.

The approximate cost of this course in 2019 will be \$10.00

DANCE

Dance embodies our ideas, thoughts, emotions and values and provides a unique opportunity to develop physically, creatively, aesthetically, emotionally and intellectually. The Dance course at Applecross SHS, develops and presents ideas through a variety of genres, styles and forms, as it provides a unique way in which to express our cultural views and understanding of the world. Students will gain an understanding of the physical competencies specific to dance, reflect on, respond to, and evaluate how dance styles and forms are historically derived and culturally valued.

Through participation in the Dance course, the students will develop transferable skills essential to their respective futures. These include communication skills, collaborative teamwork skills, negotiation and conflict resolution skills, problem solving skills as well as the ability to organize, analyse and evaluate. Participation in this subject may lead to opportunities for future study in dance or related arts fields.

Dance - 9DAN (Semester 1)

Introduction to Jazz, Hip Hop and Contemporary Dance

This is the first course of dance in a series of four and provides the student with a background in the fundamental skills and technique of dance.

It is not just for “beginners” but forms the basis of study for all other courses in this area with specific emphasis on Jazz, Hip Hop and Contemporary styles. ALL levels of dance experience will be catered for and no previous dance experience is necessary. It is possible that students may attend an external dance performance and have an external specialist tutor to provide specific skill instruction during this subject.

The cost of this course in 2018 was \$70.00.

Dance - 9DANB (Semester 2)

Culture and Choreography

This course provides opportunities for students to extend the skills learned previously using multi-cultural styles as a medium of expression. Classes will include technique, small group work and the opportunity to create movement sequences in a variety of styles.

Cultural dances will be selected from such continents/countries as Asia (Thai, Balinese, Chinese and India (Bollywood)), Australia (Indigenous), The Americas (Hawaiian, Cheerleading, Line Dancing, Mexican), Africa and Europe (Irish, Spanish, Scottish). Visiting dance troupes, attendance at external dance performances and specialist dance instructors will be highlights in this fun-filled course!! No dance experience is necessary, as all levels will be catered for.

The cost of this course in 2018 was \$70.00.

DRAMA

Improvisation and Comedy – 9DRA (Semester 1)

In this course, students will learn the skill of improvisation to develop comic characters and scenes. Theatresports is a focus for Term 1 and an improvisation evening will showcase their talent in a team competition. Students then apply these skills to devise and perform their own short plays at the end of Term 2. It is strongly recommended that students who intend taking Drama in Year 10 take Drama in Year 9. Students will have the opportunity to attend a performance by a visiting theatre company.

The cost of this course in 2018 was \$20.00

Backstage Pass – 9DBSP (Semester 2)

In this course, students will be introduced to the technical and practical skills needed to work backstage in the new Performing Arts Centre. Workshops in entry level lighting, sound production, special effects makeup and costume design will train students to become part of a team. Front of house and marketing will complete a course designed to lead students into being part of the backstage crew for Semester One productions.

The cost of this course in 2018 was \$40.00

Playbuilding – 9DRAB (Semester 2)

In this course, students focus on devising an original piece of theatre based on a theme. They will develop acting, improvisation and group devising skills along with the set, costume and lighting design for their performance. An evening showcase at the end of semester will provide students with the opportunity to share their work with an audience of family and peers. It is strongly recommended that students who intend taking Drama in Year 10 take Drama in Year 9. Students will have the opportunity to attend a performance by a visiting theatre company.

The cost of this course in 2017 was \$40.00

Technologies

DESIGN AND TECHNOLOGIES

Automotive Workshop – 9AUT (Semester 1)

Students will learn about basic car care. They will learn about two and four stroke engines and about engines fitted to lawn mowers and go-karts. Students will become familiar with how an engine works. They will also learn how to carry out some panel repairs by learning both gas and electric welding.

The cost of this course in 2018 was \$45.00

Automotive Workshop – 9AUTB (Semester 2)

Students will learn how to service small engines and car engines, along with and other workshop activities. Students will also learn the function of pistons and rings, valves, carburettor and exhaust systems.

The cost of this course in 2018 was \$45.00

Metalwork – 9MTW (Semester 1)

Students will be introduced to basic hand held and machine tool processes and will develop an appreciation of some of the materials and designs used in metal working. Lathing and polishing of metals is an integral part of these courses. Models made will be interesting and useful: darts, metal trays, barbecue tools and more.

The cost of this course in 2018 was \$45.00

Metalwork – 9MTWB (Semester 2)

Students will further develop hand and machine tool processes as well as gain an introduction to designs involving welding and other fabrication techniques. Spot welding, polishing, and surface treatment will enable students to produce some exciting and useful models: basketball rings, bike stands, camp ovens and bush barbecues.

The cost of this course in 2018 was \$45.00

Engineering - Technical – 9TGR (Semester 1)

Students will produce drawings in oblique, isometric, orthogonal and perspective using Computer Aided Drafting software. They will learn how architects produce drawings and how engineers use and interpret drawings. Students will produce models using 3D software, 3D printing and laser cutting.

The cost of this course in 2018 was \$10.00

Engineering - Technical – 9TGRB (Semester 2)

Students will produce drawings and use a variety of rendering techniques including 3D Computer Aided Drafting software. Architectural impressions are taught in this class including graphical representation techniques. Students will utilise 3D printing and laser cutting to produce design models.

The cost of this course in 2018 was \$10.00

Woodwork – 9WDW (Semester 1)

Students will design and learn skills relating to working in wood, with the opportunity of producing some exciting and innovative projects. These items could be useful in all areas of the home. Use of power hand tools is encouraged. Cutting boards, knife holder, clocks, toys, stools, tool boxes and bowls are some of the models students may choose to design and manufacture.

The cost of this course in 2018 was \$65.00

Woodwork – 9WDWB (Semester 2)

Students will make small projects and develop techniques and skills associated with wood as a material. Working with associated wood products such as plywood, laminated timber veneer and particle board will help students to make worthwhile projects and learn skills with modern electrical tools. Knife holders, bowls, footstools, sandboards, skateboard decks and small ladders will be just a few of the items students may choose to design and manufacture.

The cost of this course in 2018 was \$65.00

DIGITAL TECHNOLOGIES

Students apply knowledge, skills and resources in the development of practical solutions to problems. Through this process they learn to be innovative, adaptable and reflective as they select and use appropriate materials, information and systems to achieve worthwhile results.

Web Page Design – 9WPD (Semester 1)

This course explores and develops students' skills using web authoring programs. The set tasks will involve manipulating a variety of images using Internet resources. Layout and design skills will be developed.

The cost of this course in 2018 was \$10.00

Computer Systems Design – 9CSD (Semester 2)

Here's a chance to learn about the two main components that make up a computer system – hardware and software. Students will investigate the current hardware items on the market and the items that are being developed for the future. They will also be given the opportunity to dabble in software development through the creation of simple computer games using the Kudo program.

The cost of this course in 2018 was \$10.00

HOME ECONOMICS

Home Economics is a fun, hands-on subject area encompassing many life skills. Using a technology and health focus, students are encouraged to use their own initiative to solve problems while working cooperatively with others, using appropriate equipment, and managing time effectively. This is done in the contexts of foods, clothing and textiles and child care/development. The cost of the food courses includes all the food and equipment requirements. The cost of the textile courses includes the use of the sewing equipment; however, fabrics and some sewing aids will need to be provided by the students.

Creative Wear – 9CVW (Semester 1)

Creative Wear - 9CVWB (Semester 2)

Students will have the opportunity to learn/revisit how to use a sewing machine and build on their practical and creative textile skills. The focus of this course is to create individual fashionable clothing.

The cost of this course in 2018 was \$30.00.

NOTE: Students can study in either semester, but not both.

Food for Health – 9FFH (Semester 1)

Students will examine the relationship between their diet and their health. They will take a critical look at what is actually in the foods they eat; what is in the foods certain take-away food chains would like them to eat; and how to make wise food choices. Students will prepare fantastic foods which are tasty and nutritious, economical, accessible, easy and time-efficient to make.

The cost of this course in 2018 was \$80.00.

Food in the Fast Lane – 9FFL (Semester 2)

Food in the Fast Lane takes a good look at the changes taking place in the food industry, eating and meal patterns, and compares the influences of our pace of life and new technology. Students will examine the role of the mass media, food processing and fast foods.

The cost of this course in 2018 was \$80.00.

English

Students learn about the English language and how to use it effectively. The study of English plays a vital role in the development of literacy, enhances students' learning in all areas of the curriculum and provides them with the communication skills and critical understanding of language necessary for active participation in society. All students will study the Australian Curriculum English Course. The academic classes explore a wider range of more difficult texts. Creativity, critical thinking, Grammar and English skills of communication are the basis of all courses. Wide reading is encouraged through all courses to improve literacy.

English – 9ENG

Students study a general course of English focusing on **Language, Literacy and Literature**. Students study and practise persuasive writing skills as well as narrative form in texts, with a focus on short stories, poetry and film. Students will study texts under the overarching theme of "World Issues" in order to promote concepts and connections between texts. A reading programme is central to this course. Grammatical skills continue to be developed.

In Semester Two students will study narrative and reader positioning in media and fiction texts. They investigate drama and feature articles and begin the study of critical writing in essay form. The overarching theme for the semester is "Humour", and will introduce students to concepts regarding parody, satire and irony.

A reading program remains central to this course. Grammatical skills continue to be developed. Students will participate in regular common task assessments throughout the year.

Academic Extension – 9ENGE

In addition, Academic Extension students study written texts focusing on symbolism in written texts and the importance of context in contributing to understanding. Students will extend their knowledge of persuasive writing through the reading, writing and presentation of a speech. They will also work with IT programmes to construct and present a non-print advertisement.

In second semester they will create and maintain an Autobiographical Blog creating anecdotal life stories. They will explore the use of Parody by reading and creating examples. Students will explore the importance of symbolism through film and drama texts and practise developing extended essay responses to that concept. These students will be encouraged to participate in Debating and Writing competitions.

The cost of this course in 2018 was \$36.00.

English as an Additional Language/Dialect - 9ESL

These courses are based on the Australian Curriculum English Course (see English courses for more details) but are tailored to suit the needs of Non-English Speaking Background students who have been in Australia, or any English speaking country for fewer than three years. Some students who have been here longer may also be accepted into the courses if numbers permit. Entry to these courses is on approval from the EAL/D Teacher in Charge or the Lower School Deputy. In all EALD courses, students will demonstrate the skills through reading and viewing, speaking, listening and writing.

The cost of this course in 2018 was \$36.00.

Health and Physical Education

Health Education – 9HED

In this course, Year 9 students will identify and apply relevant criteria to determine the reliability of online health information. They will evaluate a range of characteristics of respectful relationships, such as showing respect for self and others, personal differences and opinions. They will describe and apply appropriate skills and strategies to resolve and manage conflict within different environments.

The cost of this course in 2018 was \$7.50

General Physical Education - 9PES and 9PESB (Semester 1 and 2)

Students will select and use individual movement skills and sequences that increase in complexity and perform them with increased speed, control and improved accuracy. They will implement tactics and adapt them in response to performance. In competitive contexts students will learn to participate ethically and demonstrate ways to build motivation and encourage team work. Over the course of Years 7-10 students will cover a broad range of sports developing fundamental movement skills, both land and water based.

The cost of this course in 2018 was \$9.00 per semester.

Physical Recreation/Fitness – 9FIT and 9FITB (Semester 1 and 2)

By participating in fitness improvement activities on school site, this course will provide students with the opportunity to develop a deeper understanding of the fitness components in a challenging and enjoyable environment:

- Cardio-respiratory endurance
- Muscular endurance
- Muscular strength
- Flexibility
- Co-ordination
- Speed

Students will learn how to develop fitness and implement dietary programs. This course will also provide students the opportunity to experience local community fitness centres throughout the year.

The approximate cost of this course in 2018 will be \$100 per semester.

Specialist Tennis – 9TEN1 / 9TEN2 (Semester 1)# 9TEN3 / 9TEN4 (Semester 2)#

Students will continue to develop all aspects of their tennis game, with a greater emphasis on advanced tactical and technical aspects of each individual student's game style. Advanced doubles tactics will continue to be developed, as well as mental skills training, movement and injury prevention and management. These aims will be achieved through on court drills, match play, fitness and off court sessions.

The cost of this course in 2018 was \$135.00

Available for selected students only.

NOTE: The course is available for students selected into the Specialist Tennis program only.

Humanities and Social Sciences

9HASS

In Year 9, Humanities and Social Sciences consists of Civics and Citizenship, Economics and Business, Geography and History.

In Civics and Citizenship students continue to build on their understanding of the concepts of the Westminster system, democracy, democratic values, justice and participation. They examine the role of key players in the political system, the way citizens' decisions are shaped during an election campaign and how a government is formed. Students investigate how Australia's court system works in support of a democratic and just society.

In Economics and Business, students are introduced to the concepts of specialisation and trade while continuing to further their understanding of the key concepts of scarcity, making choices, interdependence, and allocation and markets. They also examine the connections between consumers, businesses and government, both within Australia and with other countries, through the flow of goods, services and resources in a global economy. The roles and responsibilities of the participants in the changing Australian and global workplace are other topics that will be explored.

In Geography the concepts of place, space, environment, interconnection, sustainability and change continue to be developed as a way of thinking, which provides students with an opportunity to inquire into the production of food and fibre, the role of the biotic environment and to explore how people, through their choices and actions, are connected to places in a variety of ways.

In History students develop their historical skills within the context of the making of the modern world from 1750 to 1918. They consider how new ideas and technological developments contributed to change in this period, and the significance of World War I.

Academic Extension – 9HASSE

Students meeting the selection criteria will also be offered extension activities in Humanities and Social Sciences in a dedicated Academic Extension class with a focus on higher order thinking skills and the innovative use of information and communications technology.

Infographics – Students use the content of 'Biomes' to learn how to utilise and create infographics. Using ICT and a variety of tools they both cover the course content and learn the value of visual representations of information.

Simpson Prize – In this extension unit students have the opportunity to enter the Simpson Prize and win a trip to Turkey. All students produce an essay that requires both primary source analysis and the evaluation of a question relating to Australia's wartime experiences and commemoration. This process will culminate in students creating an Audio Visual Presentation and entering the Simpson Prize National Competition.

National History Challenge – The National History Challenge requires students to undertake a historical inquiry and create a project on a topic of their choice. Students will be led through the processes of a historical inquiry, where possible, interacting with primary sources related to their chosen topic. Finally, they will create their entry which could range from an essay to an art-piece or an audio-visual presentation.

The cost of this course in 2018 was \$36.00.

Financial Literacy – 9FIN (Semester 1 only)

Knowing how to manage money and make confident and informed financial decisions are core life skills. This course recognises and supports students to develop good money habits.

Financial literacy is the joining together of financial, credit and debt management and the knowledge that is necessary to make financially responsible decisions – decisions that are integral to our everyday lives. Financial literacy includes understanding how a bank account works, what using a credit card really means, and how to avoid debt.

In this course students will develop understanding and skills in cash management, borrowing money, personal budgeting, personal investment and tax.

The approximate cost of this course in 2019 is \$10.00

Personal Financial Management – 9PFM (Semester 2 only)

Personal financial management means gaining an understanding of your financial situation in order to make the most of your assets in day-to-day life and in planning for your future. Financial planning is the process of managing your money to achieve personal economic satisfaction. It allows you to control your financial situation and provides a feeling of security and less stress. It is a disciplined approach to managing your finances to reach life goals.

In this course students will develop understanding and skills in calculating costs for travel, buying a car, getting a pet and acquiring mobile phones. They will also look into security and privacy issues relevant to using e-commerce products and the costs/benefits of loyalty programs.

The approximate cost of this course in 2019 is \$10.00

Languages

Students learn to communicate effectively in languages and further develop their skills and understandings in English. They gain an understanding of other societies, the ability to interact with people and cultures other than their own, and practical skills which they can use in future social, cultural and vocational areas. We have exchange programs to France and to Takarazuka, Japan. Students from Years 9 to 11 may participate in these programs. Year 9 students must continue with the language they studied in Year 8.

French – 9FRE/9FREB (Semester 1 and 2)

Students will learn about clothing and shopping, their house, food and drink and sport. Students will learn to describe people and talk about places in town. They will ask for and give directions. Also they will learn how to order food and drink, and talk about travel by train. Students will participate in group work, cultural activities and ICT activities. Students will develop their language skills through listening and responding, speaking, viewing and reading, and writing in French. This course is designed for second language learners. Background speakers of French will be required to enrol in Japanese. If in doubt, please contact the Head of the Languages Learning Area.

The cost of this course in 2019 was \$10.00 per semester.

Japanese – 9JP/ 9JPB (Semester 1 and 2)

Students will master katakana and be introduced to a range of new kanji. They will learn to talk about their personal history, including where they grew up, the language they speak at home and milestones. They will compare healthy food and fast foods in Japanese and learn all about shopping in Japan and the useful language associated with that. Students will participate in activities about neighbours and the neighbourhood and the media. Students will participate in group work, cultural and ICT activities. Students will develop their language skills through listening and responding, speaking, viewing and reading, and writing in Japanese. This course is designed for second language learners. Background speakers of Japanese will be required to enrol in French.

If in doubt, please contact the Head of the Languages Learning Area.

The cost of this course in 2018 was \$10.00 per semester.

Mathematics

Mathematics – 9MAT

Students will use ideas about number, algebra, measurement, geometry, statistics and probability and mathematical ways of representing patterns and relationships, to describe, interpret and reason about their social and physical world. Mathematics plays a key role in the development of students' numeracy and assists learning across the curriculum.

Year 9 students will be placed into streamed classes based upon their Year 8 results. Even with the streaming, the majority of students will study a common course throughout the first semester of Year 9. Only the least able students will be selected for a slower paced course. Further pathway division will occur in Semester 2 but teaching at Pathways E, 1, 2 and 3 will follow a common core with some extension and added depth at Pathway E and 1. Students in Pathways 2 and 3 who make very strong progress will have the opportunity to attempt Pathway 1 in Year 10 without substantial disadvantage.

Academic Extension - 9MATE

The Academic Extension class will complete all the coursework as well as engaging in extension work.

Academic Extension students will study problem solving strategies, which will be introduced and explained in class by the teacher. The strategies will be developed conceptually throughout lower school. All AE Mathematics students will be prepared to participate in numerous competitions throughout the year. Some require time outside of class to prepare and also to complete.

In Year 9 activities may include the Mathematics Talent Quest, Have Sum Fun Competition, Computational and Algorithmic Thinking Competition and the Australian Mathematics Competition.

Pathway Description

Pathway E is the Academic Extension pathway which covers Pathway 1, but incorporates the extension activities into their course work including problem solving strategies. It is a very demanding but rewarding course.

Pathway 1 is the course that prepares students for the study of any Mathematics course in Years 11 and 12. It can incorporate some of the extension work covered in the Academic Extension course.

Pathway 2 provides a solid grounding in the essentials of Algebra and Number, Measurement and Geometry and Statistics and Probability, for students who wish to study any ATAR courses of study. It is however not rigorous enough to allow for the successful study of Mathematics Specialist courses in Year 11 & 12.

Pathway 3 is slower paced than Pathway 2 but still covers a lot of the rudiments of the higher pathway. For the more successful student in this pathway, the course still offers sufficient preparation for the study of the lower stage ATAR Mathematics course in Year 11.

Pathway 4 is a "focus" class designed to cater for students in need of special help in this subject. It endeavours to maintain basic numeracy skills which will be of use to students in their everyday lives. Students in this pathway will not normally study Mathematics beyond Year 10.

The total cost of all Mathematics pathways in 2018 was \$36.00.

Science

Students investigate, understand and describe the physical, biological and technological world and value the systems and processes that support life on our planet. Science helps students to become critical thinkers who use evidence to construct conclusions.

The Australian Science Curriculum provides opportunities for students to develop an understanding of important Science concepts and processes, the practices used to develop Science knowledge, Science's contribution to our culture and society, and its application to our lives. The curriculum supports students to develop the scientific knowledge, understandings and skills to make informed decisions about local, national and global issues and to participate if they so wish, in Science related careers.

Year 9 students study in one of two pathways or academic extension. Those who are placed in the academic extension class need to have performed at the highest level in all Science topics and must be prepared to undertake extra enrichment work in addition to the Year 9 course work. All other students are placed in either pathway 1 or 2 based on their performance in Year 8.

YEAR 9 – 9SCI

Biological Sciences

In this topic, students will study the relationships between organisms and their environment and the effects of human activity on organisms and the environment, and the structure, function and co-ordination of the body systems of plants and animals.

Chemical Sciences

In this topic students will learn about acid and basis, chemical reactions, chemical formulae and chemical equations

Physical Sciences

In this topic, students will study the properties of different forms of energy including light and electricity and how we use these forms of energy to improve our quality of life.

Earth and Space Sciences

In this topic, students will study the formation and structure of the planet Earth, plate tectonics and their effects.

Academic Extension – 9SCIE

The Academic Extension classes in Year 9 complete the course work at a faster pace so that they can engage in enrichment activities. The specific focus of the extension courses will depend on the special interests of the students and teacher. Students may be moved in and out of the extension classes during Year 9 and Year 10. All students are encouraged to participate in a broad range of Science enrichment opportunities and competitions. This particularly applies to students in academic extension class.

Academic Extension students will study how organs and tissues are integrated into organ systems. They will study feedback mechanisms and complete experiments to observe the effects. They will research the modern understanding body systems in regard to their structure and function has developed since the time of Galen.

Pathway Description

Pathway 1 is the course that prepares students for the study of Science in Years 11 and 12.

Pathway 2 provides a solid grounding in the essentials of Science and is for students who will not be choosing ATAR Science subjects in Year 11 and 12.

The cost of all Science pathways in 2018 was \$40.00