

2019 EDITION



APPLECROSS

SENIOR HIGH SCHOOL
INDEPENDENT PUBLIC SCHOOL

Curriculum Handbook

YEAR | 10

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 or AXSELL Sports Science	2 hours per week for the year (4 hours per week for Special Tennis and AXSELL Sports Science)
Total Compulsory Subjects	19 hours per week
The Arts Health & Physical Education Languages Technologies	6 hours per week from any of the learning areas listed to the left
Overall Total	25 hours per week

Note

All courses in Year 10 are year long.

Specialist Tennis and AXSELL Sports Science students will have two electives at 4 hours/week for the year and do not study Physical Education (10PES).

Music students must select the Class Music course.

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 – 10MUS

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
- Participate in the IMSS Beginner Instrument Program (see below)

ENSEMBLES

Year 10 students mostly participate in the following ensembles:

- Concert Band 1 (flute, clarinet, saxophone, trumpet, trombone, euphonium & percussion)
- Scimitar String Orchestra (violin, viola, cello & double bass)
- 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 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 10 students perform in four events each year:

- Autumn Concert in Term Two
- WA Schools' Festivals in Term Two and/or Three
- Spring Concert in 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 - 10MUS
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 \$90.00.

Special Conditions: Completion of courses 9MUS and 9MUSB is a prerequisite for studying this Year 10 Music course. 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 Digital Studies and Contemporary Australian Art Studies - 10SPA

This course contains two units. Firstly, you will explore how classical Art skills & techniques (drawing, painting etc.) can be combined with digital technology. Students will investigate the scope of digital media as a tool to develop artwork for a new era, making use of the computer (WACOM & ADOBE), camera (still & video), and smart devices to produce innovative artwork. They will develop Arts Language specific to Digital Art; an understanding of the conventions of Digital Art; and, an appreciation for the role of Digital Art in the history of human development. Students will produce at least one major work for display.

Semester Two studies will follow on directly from Digital Studies. In this course we will examine a selection of contemporary artwork produced by Australian artists in the previous thirty to forty years. Students will develop research techniques, Art Language, discover the methods used to analyse artworks, and discuss the way artwork is informed by social, cultural, historical and political contexts. The course will provide students with an informal, but comprehensive background in Australian Art History studies as a prelude to further study in the Visual Arts. Students will also explore the style, subject matter, and techniques employed by a variety of artists as they will be required to reference this in their own art making. Students will produce at least one work for display.

The cost of this course in 2018 was \$185

NOTE: This course is 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.

Photography – 10PHO

Students will be introduced to creative digital techniques, special creative filtering and design techniques which will enable them to experiment and explore these in order to put together an exciting portfolio of work. Students will use Photo Shop software which will provide them with good preparation for Design-Photography in Years 11 and 12.

The cost of this course in 2018 was \$65

Design – 10DES

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 \$120

Media – 10MED

Students are provided with opportunities to explore in more depth the way media work is constructed in different contexts and how it can be used to challenge the values of an audience. They continue to make and respond to their own media productions and professional media work within the selected media type, genre or style studied, using refined media production skills and processes: problem solving, working as a team, or independently; setting and following personal and group timelines; and independently using media equipment creatively and responsibly. Media foci are: Media and Media Non-Fiction. Students are expected to work within, or across, the following media in each year level: film, television, photography, print media, radio or online media.

The cost of a similar course in 2018 was \$120

Visual Art –10ART

In Visual Art students make resolved artworks in either 2D, 3D or 4D (Time Based Art). They further develop and refine their ideas and techniques to resolve artwork by documenting the design, production and evaluation processes of their artwork. Students develop greater understanding of how contexts of culture, time and place impact on the development of ideas and production of art forms in the artistic process. Art forms may include: painting, printmaking, drawing, photo and digital media, graphics, textiles, collage, ceramics, sculpture, installations, textiles, jewellery, performance art, time-based video & digital animation. Art styles studied may include: Realism, Dadaism, Surrealism, Futurism, contemporary Australian art; Postmodernism and international art.

The cost of a similar course in 2018 was \$120

History of Design – 10HART

Students will study the History of Design beginning in 1850 with the building of the great Chrystal Palace in Hyde Park Exhibition Hall by Prince Albert. It was said to have housed some of the ugliest artefacts ever created. Thank goodness for William Morris.

The cost of this course in 2018 was \$10

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.

Jazz, Hip-Hop and Contemporary Dance and Musical Production – 10DAN

The course is a year- long course and extends the student's repertoire of skills and technique in Jazz, Hip-Hop and Contemporary styles but previous experience is not necessary. ALL levels will be catered for, with the emphasis being on the skills and processes of composition and choreography.

Do you also love the Broadway Musicals such as CATS, Phantom of the Opera, Grease, or even the old classics, such as Singin' in the Rain, The Wizard of Oz or Sweet Charity? Then this subject is for YOU!! This section of the course has a focus on dance performance and choreography and will include such extras as stage design principles, use of props, applying make-up and costume selection. This may culminate in a school performance and will include attendance at an external dance performance and the provision of an external specialist tutor for specific skill instruction. No previous dance experience is necessary; just a fun and exuberant attitude to "give it a go".

The cost of this course in 2017 was \$150.00.

Drama

Performance and Acting – 10PER

In this year long course, Year 10 Drama students will be given opportunities to develop their knowledge and skills to present drama for purposes and wider external audiences, safely using processes, techniques and conventions of drama. They demonstrate awareness in performance of drama forms and styles, spaces of performance and design and technologies to communicate dramatic meaning and to impact an audience. Participation in first semester will allow students the opportunity to audition for the 2019 school production in either an acting or non acting role.

In Semester Two, students will make a specialised study of acting methods and devising techniques using contemporary processes, including improvisation and approaches to rehearsal, to select and shape the elements of drama for devised drama. They will build understanding in the performance of specific drama forms and styles, spaces of performance and design and technologies to communicate dramatic meaning and to impact on audience. This will form the basis for devising a Youth Theatre script for participation in the YOHFEST competition. An opportunity to perform their work to a wider audience in Term 4 will be the culmination of this unit.

The nature of the course requires that there will be a commitment to extra-curricular rehearsal and performance schedules. These times and dates will be published in advance.

It is strongly recommended that students who intend taking Drama in Year 11 either the ATAR or General course take Drama in Year 10. Students are expected to attend one professional theatre show in each semester.

NOTE: After school and weekend rehearsal times will be scheduled, as required, and students who enrol in this course must be prepared to make the time commitment required.

The approximate cost of this course in 2019 is \$120

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. Students will study the Australian Curriculum English Course. All students study the same course at different levels. 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 – 10ENG

Students study a general course of English focusing on Language, Literacy and Literature. They study poetic form, critical response essay writing, comprehension skills, feature articles, and drama. Reading and grammatical skills continue to be developed. The overarching theme for Semester One is Protests and embraces drama as well as visual texts employed in photojournalism. Reflection on texts, their key issues and underlying concepts through writing journals is also an ongoing part of the course. They will complete a formal 90 minute examination in Term Two.

In second semester the overarching theme is Identity and Family. Students study a variety of texts focusing on poetry, the novel, feature film and contextual interpretation. They complete analytical and critical essays in response to such texts. They also develop their creative skills by writing in different forms. Their grammatical skills continue to be practised. Students will participate in regular common task assessments throughout the year. There is a directed shift in writing skills toward those necessary for the Year Eleven courses. Their final examination of 90 minutes in Term Four will simulate the rubric of that style of exam.

Academic Extension – 10ENGE

In addition, the academic extension classes will engage in the study of the Literary Canon. They will read classic novels and make an in depth study of at least one Shakespearean play. Their research will include the literary notion of “readings” and how to apply this to their texts. In Semester One they will create Picture Books and liaise with local primary schools. Students will be given the opportunity and encouraged to submit creative writing to available competitions.

The cost of this course in 2018 was \$36

English as an Additional Language/Dialect - 10ESL

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 EAL/D courses, students will demonstrate the skills through reading and viewing, speaking, listening and writing.

The cost of this course in 2018 was \$36

Health and Physical Education

Health Education – 10HED

In this course, Year 10 students will explore the impact of social and cultural influences on personal identity, health, safety and wellbeing, including stereotypes and gender, diversity and cultural differences. They will analyse media messages about health and propose and evaluate interventions to improve individual and community health and wellbeing. Students will evaluate the impact of emotional responses on relationships and apply skills and strategies to promote respectful relationships. Students will also complete the Keys for Life Driver Education Program.

The cost of this course in 2018 was \$7.50

General Physical Education – 10PES

Students will select, use and evaluate individual movement skills and sequences and implement tactics in a variety of the physical activity contexts. They will apply appropriate technique while performing skills that increase in complexity. Students will also develop ethical behavior in competitive contexts and apply skills and strategies to improve team performance. 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 \$18.50

***Please note - students in General Physical Education may only select one elective, either Outdoor Education or Physical Recreation – not both.**

Outdoor Education – 10OED

In this course, students will participate in activities in both land and marine environments. They will develop both skills and a sense of responsibility and confidence through the pursuit of:

- Sailing
- Marine navigation introduction
- Inland navigation
- Survival swimming and basic rescue skills
- Paddle sports – Canoeing, kayaking and stand up paddle
- First Aid
- Snorkelling

- Expedition planning and survival
- Intro to Recreational Skippers Ticket (WA power boating requirement)

****Special Conditions: Students must pass Bronze Medallion Swim Test (400m in 13 minutes) in year 9 to be eligible for Outdoor Education.**

*****Outdoor Education will not be available in Year 11 and 12.**

***Please note – students may NOT select both Outdoor Education and Physical Recreation in Year 10.**

The cost of this course in 2018 was \$400

Physical Recreation – 10PHR

Physical Recreation in Year 10 encourages students to self-assess their own and others' leadership styles and apply problem-solving approaches to increase motivation and participation and contribute to effective team relationships. Students also implement tactics appropriate to the physical activity context, including; Beach Volleyball, Squash, Ten Pin Bowling, Triathlon and Fitness. The program offers opportunities for students to develop, enhance and exhibit attitudes and values that promote a healthy lifestyle.

****Special Conditions: Students must be competent swimmers and have their own bike and helmet for cycling.**

The cost of this course in 2018 was \$335

***Please note – students may NOT select both Physical Recreation and Outdoor Education in Year 10.**

Sports Science Acceleration Course - AXSELL

Students with an aptitude for hard work, personal development and preparation for success in ATAR Physical Education Studies in Senior School are strongly encouraged to select this course. The course will focus on developing an understanding of theoretical sports science concepts through both practical and theoretical application of exercise physiology, motor learning and coaching, and biomechanical concepts.

Students will be assessed in four sporting contexts over the duration of the year in order to improve their physical literacy and prepare them for Senior School Practical examinations. The theoretical assessment weighting will be 50% and the practical assessment weighting will be 50%.

The AXSELL Program is a year long course operating for four periods per week. It will involve three practical periods and one period of theory per week with a number of labs incorporated within the curriculum. Visits to Sports Science facilities and elite sporting precincts throughout Perth will be a feature of this course.

This course will provide an excellent grounding for those students continuing with ATAR Physical Education Studies in year 11.

Students will be identified by their PE teacher in consultation with the Head of Learning Area to participate in this course. Students recommended for this course will receive an invitation to participate in Year 9 and will be required to complete a formal acceptance to commit to Year 10 course.

The cost of this course in 2019 is anticipated to be approximately \$100.00.

Students in the AXSELL program will not be placed in General Physical Education. They may only choose either Outdoor Education or Physical Recreation if desired but not both.

Specialist Tennis - 10TEN

Students will study the Year 10 Sports Science Acceleration course. This course is part of the Specialist Tennis Program and will be delivered in a Tennis context. It will involve three practical tennis periods and one period of theory per week.

This course will focus on developing an understanding of theoretical sports science concepts through both practical and theoretical application of exercise physiology, motor learning, coaching, and biomechanics.

Students will continue to develop tennis skills through on court drills, match play, technique analysis, mental skills training as well as strength and conditioning.

This course will provide an excellent grounding for students continuing with ATAR Physical Education Studies in Year 11.

The cost of this course in 2018 was \$135

Humanities and Social Sciences

Year 10 HASS - 10HASS

In Year 10 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 democracy, democratic values, justice, and rights and responsibilities by exploring Australia's roles and responsibilities at a global level and its international legal obligations. They inquire in to the values and practices that enable a resilient democracy to be sustained.

In Economics and Business students are introduced to the concept of economic performance and living standards while continuing to further their understanding of the concepts of making choices, interdependence, specialisation, and allocation and markets through examining contemporary issues, events and/or case studies delving into the reasons for variations in the performance of economies. They explore the nature of externalities and investigate the role of governments in managing economic performance to improve living standards. They inquire into the ways businesses can manage their workforces to improve productivity.

In Geography the concepts of place, space, environment, interconnection, sustainability and change continue to be developed as a way of thinking, through an applied focus on the management of environmental resources and the geography of human wellbeing at the full range of scales, from local to global and in a range of locations.

In History, students develop their historical skills within the context of the modern world and Australia from 1918 to the present, with an emphasis on Australia and its role in WW2.

Academic Extension – 10HASSE

Students meeting the selection criteria will 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. A range of extension opportunities are provided in this course, including the class coordination and delivery of the annual

ANZAC Day Service, inter-school Mock Trial competition, Murdoch university incursions and engagement and a range of additional state and national competitions.

The cost of this course in 2018 was \$36

Career Education – 10CAE

The focus of this course is building skills in students to be used in the job search process, career resilience and knowing how to recognize and access appropriate employment opportunities. Students will undertake the Employment Advantage course which is endorsed for one unit on the WA Certificate of Education (WACE). This coursework provides the latest skills, knowledge and best practice advice to give each student a thorough understanding of employer decision making practices and job search processes.

Endorsed Programs can contribute up to four unit equivalents towards the WACE completion requirement and may also contribute to the C grade achievement requirements. Successful completion of Endorsed Programs reduces the amount of 'A' grades a student requires to achieve a Certificate of Excellence on the completion of Year 12.

As part of the learning process, students are also assisted to undertake a one week Work Experience Placement of their choice. A Work Experience Log Book and Classroom Workbook are included in the fees. Students considering Flexi Learning should enrol in this course.

The cost of this course in 2018 was \$32.50

Introduction to Accounting – 10ACC

This year long course provides students with the basic accounting skills needed to manage the finances for a small business. It looks at the different types of business enterprises currently operating in Australia and the financial information they are required to present. The knowledge and skills gained in this course provide a good foundation for further studies in Accounting and Finance in upper school.

The cost of this course in 2018 was \$34

VET Business – 10VET

This is a unique opportunity for students to begin working towards completing a recognised vocational qualification. By completing units of competency in such things as communication skills, operating business technology and using electronic mail, students can achieve a partial Certificate II in Business.

This year long course is undertaken for two periods during both semester 1 and 2. The units of competency successfully completed during the year can be used to complete the full Certificate II in Business qualification in one year in upper school or can be used as recognised prior learning for the Certificate II in Business.

This course is run under an auspicing arrangement with Skills Strategies International, RTO: 2401.

The cost of this course in 2018 was \$35

Legal Studies – 10LEG

Legal Studies is a year long course that examines controversial topics such as juvenile crime, neighbourhood relationships and how the law copes with rapidly changing technological developments. Students will thrive on the interesting discussion and research skills provided by this course.

The cost of this course in 2018 was \$30

Languages

Students learn to communicate effectively in languages and further develop their skills and understandings in English and literacy in general. 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 10 students must complete Semester One and Semester Two if they wish to continue with their language studies in Year 11 and 12.

French – 10FRE

Students will learn about family life and personal relationships in the modern day and renaissance France. They will make comparisons between life in modern day France, historic France and Australia. Students will learn about holidays and travel, including making bookings. They will also look at describing medical problems and future plans. This course is designed for second language learners. Background speakers of French will be required to enroll in Japanese. If in doubt, please contact the Head of the Languages Learning Area.

The cost of this course in 2018 was \$16.00

Japanese – 10JP

Students will continue to add to their knowledge of kanji. They will talk about making, accepting and declining invitations. They will compare country and city living. They will learn about the custom of school trips in Japan and talk about part-time work and spending money. Students will learn about describing people, talking about their home and neighbourhood and making arrangements with friends. Students will participate in group work and cultural activities. This course is designed for second language learners. Background speakers of Japanese will be required to enroll in French. If in doubt, please contact the Head of the Languages Learning Area.

The cost of this course in 2018 was \$16.00

Mathematics

Mathematics - 10MAT

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.

Students who perform at a reasonable standard or better in Year 9 classes normally proceed to the same pathway in Year 10. Less able students may be placed in a lower pathway in Year 10 in an attempt to find a course more suited to their capabilities. A small number of students will be offered the opportunity to attempt a pathway in Year 10 at a higher level than their Course of Study in Year 9, subject to their preparedness to bridge any missed content (eg. Excelling students in Pathway 2 may move into Pathway 1).

In general for Years 9 and 10, Pathways E, 1 and 2 maintain a common core of content but the depth of treatment widens progressively. Pathways 3 and 4 are slower-paced and do not reach the same endpoints as the higher pathways.

Academic Extension – 10MATE

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 the numerous competitions throughout the year. Some require time outside of class to prepare and also to complete.

In Year 10 activities may include the Mathematics Talent Quest, Have Sum Fun Competition and the Australian Mathematics Competition.

Pathway Descriptions

Pathway E is the Academic Extension pathway which covers Pathway 1 and incorporates 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 but is not rigorous enough for the student 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, when offered, 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 at 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 10 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, in Year 9, and must be prepared to undertake extra enrichment work in addition to the Year 10 course work. All other students are placed in either Pathway 1 or 2 based on their performance in Year 9.

Science – 10SCI

Chemical Science

In this topic, students will study the atomic structure and properties of elements and the Periodic Table. They will also do different types of calculations based on chemical reactions and reaction rates.

Physical Science

In this topic, students will study the description, measurement and calculation of motion, forces and their effects.

Biological Science

In this topic, students will cover reproduction, inheritance, change in species over time and evolution.

Academic Extension – 10SCIE

Academic Extension students will study Genetics and Inheritance. In this unit, the students will study the history of the study genetics from Mendel and his punnet squares to the current day in epigenetics. The ethics of genetics research methods and copywriting of genetically modified organisms will be discussed as well as the impact of genetic modification on modern farming practices. Inheritable characteristics will be explored in terms of dominant and recessive genes and that will lead to an exploration of genetic disorders and their characteristics.

The cost of all Science pathways in 2018 was \$45

Prerequisites for Year 11 Courses

Chemistry

Achievement of a B grade in Year 10 Chemistry.

Physics

Achievement of a B grade in Year 10 Physics.

Biological Sciences

Achievement of a B grade in Year 10 Biology.

Human Biology

Achievement of a B grade in Year 10 Biology.

Psychology

Achievement of B grades in Year 10 pathway 1 English and Year 10 Biology.

CSI – Lab Skills – 10MSL Elective

CSI Lab skills is designed to assist students in attaining skills that can be used to work in a Laboratory setting such as a medical laboratory, a forensic laboratory or any laboratory that requires the use of chemicals and/or tissue samples.

Students will be equipped with critical thinking skills, communication, analytical and practical skills required for a career in research science but equally applicable to a wide range of careers in science and beyond. This course aims to provide students with the knowledge and skills associated with day to day work in a laboratory.

The cost of this course in 2018 was \$150

Technologies

Design and Technology

Engineering - Technical – 10TGR

During this year long course, students will produce complex 2D and 3D drawings using Computer Aided Drafting software. Students will produce drawings used in the core competencies in the Certificate III in Engineering. This pathway leads to the Certificate III in Engineering in Years 11 and 12. Students will produce design model using 3D printers and laser cutting.

The cost of this course in 2018 was \$25

Woodwork – 10WDW

In this year long course, students will make, and appraise projects in wood and continue the development of their skills and techniques. Advanced techniques, using power tools and hand held electrical equipment will enable students to produce an excellent range of models. Lathe work for making bowls, folding seats, ladders, book racks, lamp stands and bar stools can be completed in this course.

During Semester Two, students will take a significant part in designing their own projects. Personal models will be encouraged. Chairs, stools, bowls, platters and small items of furniture can be made using a variety of materials and machinery. Students should also select 10WDW in Semester 1 as a priority, as this pathway leads to Certificate I Furnishing in Years 11 and 12.

The cost of this course in 2018 was \$89

Metalwork – 10MTW

Students will use a variety of materials along with machining and fabrication processes to construct a range of student centered designs. Toolboxes, fishing tackle boxes, shelves, barbecue utensils, fishing gaffs, gidgees and letter boxes are some models to be made. This pathway leads to Certificate I in Engineering in Years 11 and 12.

In Semester Two, the emphasis will be on the construction of more complex projects, or a single major project, developed from the student's own design. Activities include casting patterns for metal moulding, aluminium casting for items used on bikes, garden tools, fishing gear and much more. Machinery will play an important part in this class. Students should also select 10MTW as a priority, as this pathway leads to Certificate I in Engineering in Years 11 and 12.

The cost of this course in 2018 was \$89

Automotive Workshop – 10AUT

In this course, students will cover the basic maintenance of single and multi-cylinder engines, along with the procedures and maintenance necessary to keep a vehicle roadworthy. The purpose of lubrication, fuel mixture, use of appropriate spanners, along with advanced welding skills will be covered.

In Semester Two, students will participate in work that is more advanced than 9AUTB along with simple engine repairs and fault finding exercises. This pathway leads to Automotive Engineering & Technology in Years 11 and 12.

The cost of this course in 2018 was \$89

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.

Hospitality – 10HOSP

Food plays an important part in the social life of most people and is seen as a symbol of hospitality. Throughout this unit you will be involved in the planning and preparation of a range of foods for different occasions and special celebrations. Students will develop their knife and precision cutting skills in the preparation and presentation of food to restaurant standard.

In Semester Two, students will learn about menu planning incorporating a variety of different cuisines to meet individual needs in a café situation. Students will prepare a wide range of dishes representative of the needs of different community groups and gain a better appreciation of the values and beliefs that influence food choices. Students will learn about coffee making and food presentation café style.

The cost of this course in 2018 was \$160

Asian Cooking – 10ASC

This course investigates the cooking and food preparation of Thailand, Japan, China, Singapore and India. For each cuisine you will prepare a variety of dishes including appetisers, main courses and desserts. Different ingredients, spices, cooking methods and equipment will be investigated.

In Semester Two, Students will be exposed to vast variety of foods, whilst gaining an appreciation and understanding of how ethnic cuisines influence our Australian cuisine. Students will use authentic ingredients and processes to make traditional foods from a variety of cuisines across the world.

The cost of this course in 2018 was \$160

Creative Garment Making – 10CGM

Students will have the opportunity to use their creative skills to make individual fashionable clothing. Using a range of embellishments and construction techniques they will learn how to individualise their creations. Some fabrics and sewing aids will need to be provided by the students.

The cost of this course in 2017 was \$60

Child Development – 10CFC

Students will explore the implications of becoming a parent and consider the ways parenthood would affect their lives in the future. Students will have the opportunity to investigate the physical, social, emotional and intellectual needs of young children and how to satisfy these in a caring way. As part of this course, students will develop working packages suitable for them to use when babysitting preschool children and when hosting children's parties.

The cost of this course in 2018 was \$90

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.

Software Development – 10SDV

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 second part of this course allows students to further enhance their skills in the development of computer games. Students will develop and test their games using software that will give particular focus to developing sprites, visual, audio and scripting elements of computer games. Students will be able to convert the idea of the game they have in their head to an actual game that they can play. The course also explores the social impact of games in our society today.

The knowledge and skills gained in this course provide a good foundation for further studies in Applied Information Technology and Certificate II in Information, Digital Media and Technology in upper school.

The cost of this course in 2018 was \$30