



ATWELL COLLEGE



**Years 9 and 10**

# Curriculum Handbook 2018

## OVERVIEW

The focus of schooling in Years 9 and 10 is to continue to develop broad educational knowledge and skills. A Year 9 or Year 10 student's week will be as outlined below.

Learning Area	Hours
English	4
Mathematics	4
Humanities and Social Sciences	4
Science	4
Health and Physical Education	3
Electives (The Arts, Technologies, Languages)	6
(Pastoral Care) Homeroom	1
<b>Total hours</b>	<b>26</b>

### Year 9 elective lines 2018

Students **must** choose Physical Education from one line, with the exception of Rugby and Netball students. Students choose one (1) year long or two (2) semester long subjects from each of the lines below.

1	Physical Education	Netball Year Long	*Textiles	Coding/Robotics	Wood	*Dance	*Drama	Stage and Event Prod.	Print Making Sem 1 Only	Ceramics Sem 2 Only		
	\$28	\$45	\$16	\$60	\$100	\$16	\$16	\$20	\$50	\$50		
	H&PE	H&PE	Tech.	Tech.	Tech.	The Arts	The Arts	The Arts	The Arts	The Arts		
2	Physical Education	Specialist Physical Ed.	*Computing	Coding/Robotics	MC Foods	Fashion	*Drama	*Dance	Class Music Yr Long	Sculpture Sem 1 Only	Painting Sem 2 Only	Japanese Yr Long
	\$28	\$30	\$16	\$60	\$80	\$60	\$16	\$16	\$60	\$50	\$50	\$30
	H&PE	H&PE	Tech.	Tech.	Tech.	Tech.	The Arts	The Arts	The Arts	The Arts	The Arts	Languages
3	Physical Education	Netball or Rugby Year Long	*Computing	Robotics Yr Long	MC Foods	Electronics	*Drawing	*Dance Yr Long	Graphic Design	Photography		
	\$28	\$45	\$16	\$120	\$80	\$80	\$16	\$32	\$25	\$35		
	H&PE	H&PE	Tech.	Tech.	Tech.	Tech.	The Arts	The Arts	The Arts	The Arts		
4	Physical Education	Rugby Year Long	Coding Yr Long	Wood	Metal	Childcare	*Media	*Drama Yr Long	Photography	Mixing & Sampling Music	Mandarin (Chinese) Yr Long	
	\$28	\$45	\$120	\$100	\$100	\$30	\$16	\$32	\$35	\$20	\$30	
	H&PE	H&PE	Tech.	Tech.	Tech.	Tech.	The Arts	The Arts	The Arts	The Arts	Languages	

Please Note: The elective subjects listed in this handbook will only operate next year if they attract sufficient numbers and they can be timetabled.

All costs indicated are approximate amounts. Final costings will be released with the voluntary contributions and charges booklet on 1 December 2017

Please note subjects marked with an \* are included in the voluntary contributions. All other subjects will incur a compulsory charge.

## Year 10 elective lines 2018

Students **must** choose Physical Education from one line, with the exception of Rugby and Netball students.

Students choose one (1) year long or two (2) semester long subjects from each of the lines below.

1	Physical Education	Netball Year Long	Outdoor Education	Cosmetics	*Computing	Cafe Foods Yr Long	Metal	*Media	*Drama Yr Long	Photography Yr Long	Ceramics Sem 1	Print Making Sem 2
	\$28 H&PE	\$45 H&PE	\$45 H&PE	\$35 Science	\$16 Tech.	\$200 Tech.	\$100 Tech.	\$16 The Arts	\$32 The Arts	\$70 The Arts	\$50 The Arts	\$50 The Arts
2	Physical Education	VOC Physical Education	Specialist Physical Ed.	Sports Science	*Textiles	Wood	Childcare	*Dance	Class Music Yr Long	Graphic Design	Photography	Mandarin (Chinese) Yr Long
	\$28 H&PE	\$30 H&PE	\$30 H&PE	\$30 Science	\$16 Tech.	\$100 Tech.	\$30 Tech.	\$16 The Arts	\$60 The Arts	\$25 The Arts	\$35 The Arts	\$30 Languages
3	Physical Education	Netball or Rugby Year Long	Specialist Health	*Computing	Wood	* Drama	Fine Art Yr Long	Mixing & Sampling Music	*Career Education			
	\$28 H&PE	\$45 H&PE	\$30 H&PE	\$16 Tech.	\$100 Tech.	\$16 The Arts	\$100 The Arts	\$20 The Arts	\$16 HASS			
4	Physical Education	Outdoor Education	Rugby Year Long	Electronics	Fashion	Ent. With Food	*Drawing	*Dance Yr Long	Stage and Event Prod.	*Career Education	Japanese Yr Long	
	\$28 H&PE	\$45 H&PE	\$45 H&PE	\$80 Tech.	\$60 Tech.	\$100 Tech.	\$16 The Arts	\$32 The Arts	\$20 The Arts	\$16 HASS	\$30 Languages	

Please Note: The elective subjects listed in this handbook will only operate next year if they attract sufficient numbers and they can be timetabled.

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Please note subjects marked with an \* are included in the voluntary contributions. All other subjects will incur a compulsory charge.

## SPECIALIST PROGRAMS

The following programs are designed to meet the needs of students who require extension or are in need of specialist teaching in a particular area of the curriculum.

### **Academic Extension Program (AEP)**

The Academic Extension Program provides an enriching and challenging learning program engaging academically able students. The college offers Academic Extension classes in the four core learning areas: Mathematics, English, Science and Humanities and Social Science for years 7, 8 and 9. Students involved with the AEP program follow an ATAR bound pathway with the aim of University entrance upon completing Year 12.

### **Netball Specialist Program (NSP)**

The Netball Specialist Program is now offered to year 7, 8, 9 and 10 girls that are both enthusiastic and studious. The program offers your child the opportunity to excel in their chosen sport and encourages ongoing participation in sport for young women. NSP students are also encouraged to combine academic achievement and sporting excellence that mirrors both the school and program's philosophy.

### **Rugby League Specialist Program (RLSP)**

The Rugby League Specialist Program is an elite sporting program offered to boys in Year 7-10, developed by Atwell College in conjunction with the NRL WA. The program helps engage students at school and also provides outstanding opportunities to develop specific skills, knowledge and experiences in the sport of Rugby League.

### **Literacy and Numeracy Focus classes**

Literacy and Numeracy Focus classes run across all MESH (Mathematics, English, Science and Humanities and Social Sciences) classes. These classes are designed to assist identified students to meet the required OLN standard.

### **ABLEWA - Abilities Based Learning Education, Western Australia**

ABLEWA is a program that uses curriculum materials and an assessment tool (ABLES) that will enhance the resources available to teachers to support the teaching and learning of students with disability and additional learning needs. Targeted programs in the areas of English and Personal Social Capabilities are developed to improve student's outcomes.

## ELECTIVE SUBJECTS

All elective selections are completed using the Subject Selection Online (SSO) system. Information on how to access and use SSO will be issued via the email address of the primary Parent/Guardian as shown in the school database. It is the parent's responsibility to ensure these details are up to date.

1. On the school website [www.atwellcollege.wa.edu.au](http://www.atwellcollege.wa.edu.au) parents students will be able to access the Subject Selection Online (SSO) link.
2. Using the SSO program students select their elective choices on each line of curriculum offerings.
3. Based on the number of selections made for each subject decisions will be made about which elective classes will be running in 2018. Once this is decided then class groups will be created. Students may be required to re-select if subjects they have chosen do not run in 2018.
4. Whilst we try to place students into their first choice subjects for some students this may not be possible.
5. In December, once all of the classes, staff and room allocations for 2018 are completed, an invoice will be sent to each family which will include the electives that each child is enrolled in for the following year.

Additional Charges: Please note that elective subjects in Years 7-10 attract compulsory charges as indicated.

## THE ARTS LEARNING AREA

### Graphic Design - Elective

Using computers and tablets learn the different techniques and ways that graphic designers create illustrations; manipulate photos and master font in Adobe programs. Access to drawing tablets, cameras, go pros, and much more. Unleash the designer within! This course will assist in preparing students to take on the design courses offered in year 11 and 12.

### Dance - Year Long & Semester Elective

In this course students will learn about dance and performance skills. Students will be given the opportunity to develop skills in body awareness, balance, flexibility, and stamina. This course will be focusing on a range of dance styles. Students will have the opportunity to perform before audiences. This course will be great preparation for students wishing to enroll in Dance in Years 11 to 12.

### Drama - Year Long & Semester Elective

The world's a stage! Explore the world of drama and theatre in this year-long course. Student will explore the world of mime, slapstick and Melodrama, delve into Greek Theatre and comedy and will prepare a wide variety of original and scripted pieces for performance in the fully equipped Performing Arts Centre. Year 10 Drama covers a range of styles including realist Theatre to Theatre of the Absurd and the Theatre of Cruelty. This program may include a professional theatre company production incursion that will incur an additional cost. Students will also have the opportunity to present a polished, original performance item to an audience.

### **Media - Elective**

Within Media, students will be given the opportunity to build upon their previous learning in preparation for General or ATAR courses in upper school. Students will be expected to explore Media text in categories such as Audio-visual, Print Media, and Photography and will be able to analyse and justify their projects with the use of conventions and theories to support their practical productions.

### **Photography - Year Long Elective for Y10 Semester Elective for Y9**

The photography course is designed to provide students with the knowledge and skills required to produce photographic images of a high standard. If you enjoy the art of photography and would like to develop your skills this course is best suited for you.

### **Class Music (SIM students must choose this course to continue SIM) - Year Long Elective**

Music is a universal language. In this course students cover a wide variety of genres, styles and topics related to music and are provided with an introduction to concepts related to contemporary music production, in a practical and interactive way. The course promotes exploration and creativity using current music technology and trends. Some musical background is required for this subject.

### **Stage and Event Production - Elective**

Learn to control the lighting rigs and soundboards which are integral to creating an effective and amazing performance. Create sets and props for shows and develop skills in promoting and running events and performances. Come and explore the magic of 'back of stage' and all that goes on behind the scenes to make performances come alive!

### **Mixing and Sampling Music - Elective**

Students in this semester long course develop their musical skills to create music works of their own using software and technology. No instrumental skills are required, but always beneficial. A keen ear for beat matching and blending will get you off and running! Will you be the hottest new DJ on the scene? It is recommended that students have their own device that has appropriate software such as GarageBand that they can use which will enable work to be continued at home and provide students with the best opportunity to develop to their full potential.

### **Drawing - Elective**

This course is designed to further develop students' drawing skills. Students will explore, in depth, a variety of drawing and sketching styles using classic drawing media. They will develop an understanding of Arts Language, an appreciation for visual inquiry and drawn investigation, and an awareness of the importance of drawing in the history of human development. Students may be inspired by a range of materials possibly including, but not limited to stories, events, still life objects or other concepts in the production of a portfolio of drawings. These drawings will form part of a portfolio of work. Students will create observational drawings that are detailed, accurate and expressive, and produce at least one major work for display.

### **Ceramics - Elective**

This course is designed to further develop students' skills in ceramics. Students will experiment with a variety of clay building techniques. They will develop an understanding of Arts language and design development, through drawing and the importance of ceramics through historical and cultural perspectives. These drawings will form part of a portfolio of work. Students may be inspired by a range of materials possibly including, but not limited to stories, events, still life objects or other concepts in the production of their final work. Students will create at least one major ceramics work to be displayed.

### **Print Making - Elective**

This course is designed to further develop student's skills in print-making. Students will experiment with printmaking techniques which may include lino printing and/or silk-screening. Students will design imagery based through drawing and their understanding of the importance of printmakers through historical and cultural perspectives. Students may be inspired by a range of materials possibly including, but not limited to stories, events, still life objects or other concepts in the production of their final work. Students will produce at least one edition of prints which will be displayed.

### **Sculpture - Elective (Y9 only)**

This course is designed to further develop student's skills in sculpture. Students will experiment with a range of sculptural techniques, which may be reductive (carving) or constructive (building). Students may work with a range of materials which may include (but not be limited to) plaster of Paris, recycled materials, stone, metal or timber. Students will develop ideas through the design process and develop their understanding of the importance of sculptors through historical and cultural perspectives. These design drawings will form part of the student's portfolio of work. Students may be inspired by a range of materials possibly including, but not limited to stories, events, still life objects or other concepts in the production of their final work. Students will produce at least one sculpture which will be displayed.

### **Painting - Elective (Y9 only)**

This course is designed to further develop student's skills in painting. Students will work with techniques involving acrylic paint and canvas and/or watercolour on quality paper. Students will design imagery based on their understanding of painters through historical and cultural perspectives. Their designs will form part of their portfolio of work. Students may be inspired by a range of materials possibly including, but not limited to stories, events, still life objects or other concepts in the production of their final work. Students will complete at least one painting which will be displayed.

### **Fine Art - Year Long Elective (Y10 only)**

This course is designed for students who already possess well developed Art skills and understandings to prepare them for ATAR Art in Years 11 and 12. Students will develop a range of techniques across a range of Visual Art forms, both two and three dimensional. Students will conduct extensive historical and cultural research. Students will engage with the visual inquiry process and develop an extensive portfolio of drawings and designs. They will be inspired by a broad range of conceptual ideas possibly including but not limited to the environment, events, emotions and technologies. Students will complete four major projects which will be displayed.

### **Design Technologies: Fashion - Elective (Year 9)**

The Year 9 Fashion course focuses on developing students basic sewing techniques. In this course students use their creativity and design skills to make clothing and accessories using basic patterns. They will also learn techniques such as inserting a zip, hand stitching, and sewing on a button.

### **Design Technologies: Textiles - Elective (Year 9)**

In Year 9 Textiles students use the technology process to design, produce and evaluate a variety of machine sewn products based on the theme 'Everyday Living'. Students have the opportunity to develop their technical skills, ranging from accurately cutting from commercial patterns, to learning about the properties and uses of various natural and man-made fibers.

### **Design Technologies: Child Care - Elective (Year 9)**

In this course students will start to enhance their skills and knowledge of child care and human anatomy. Students will be investigating family structures, contraception, conception, embryo development, pregnancy trimester growth patterns, labour, and delivery plans. The course focuses on both the theory and practical aspects of childcare. One of the practical assessments for this course includes students having the opportunity to engage with the "Virtual RealCare Babies". The assessments in this course assist students in becoming aware of the importance of understanding the physical and emotional changes on both parents through bathing, feeding, changing, clothing and safety of their new born baby.

### **Design Technologies: Multicultural Foods - Elective (Year 9)**

This practical course examines aspects of nutrition and multi-cultural Australia where students explore a range of social, economic and cultural impacts on the selection and preparation of food commodities, with students then preparing a diverse range of dishes. This course aims to develop advanced skills in food handling, preparation and presentation. Students will participate in food design experiments and extend their creativity and design skills using the technology processes to investigate, devise, plan, produce and evaluate a wide range of food related topics. In this course the content focuses on Western Food Trends and Asian Cultures.

### **Digital Technologies: Computing - Elective (Year 9)**

This course focuses on cyber security as well as different methods to securely store data. Students will develop beginner to advanced skills in assorted specialised software such as Adobe Photoshop and Adobe After Effects to develop assorted approaches for the creation of targeted multimedia to a semi-professional level. Students will continue to develop assorted approaches to logical thinking and programming by the use of the 3D gaming program "Alice". Students will also continue to have access to a wide variety of resources outside of classroom contact time to help them address their digital needs for other courses. This course focuses on cyber security as well as different methods to securely store data. Students will develop beginner to advanced skills in assorted specialised software such as Adobe Photoshop and Adobe After Effects to develop assorted approaches for the creation of targeted multimedia to a semi-professional level. Students will continue to develop assorted approaches to logical thinking and programming by the use of the 3D gaming program "Alice". Students will also continue to have access to a wide variety of resources outside of classroom contact time to help them address their digital needs for other courses.

### Digital Technologies: Coding - Year Long Elective (Year 9)

**Note:** This course will be run in conjunction with the 'Year 9 – Design & Technologies – Robotics' course. Students enrolled in one course will also undertake the other course.

Students will apply skills and knowledge of script-based coding languages to the design and development of solutions to problems or the creation of useful program. Students will write, test and modify code, focussing on the Java and Python coding languages. By doing so, they will develop and apply critical and creative thinking skills and problem-solving strategies. These activities will also promote development of their skills in working collaboratively and in communicating in the context of a small peer group.

To undertake this course, it is **highly recommended** that students bring and use their own laptop or tablet device.

*Pre-requisites:* B in Year 8 Mathematics

### Design Technologies: Robotics - Year Long Elective (Year 9)

**Note:** This course will be run in conjunction with the 'Year 9 – Digital Technologies – Coding' course. Students enrolled in one course will also undertake the other course.

Working in small groups, students will assemble, program and operate a LEGO 'Mindstorms EV3' robot. Using the Mindstorms program, they will further develop their ICT skills, linking block-based coding methods with script-based languages, such as C and Python.

Students will write, test and modify code for their robot to perform complex tasks, or autonomously solve problems. Students will modify their robot to perform a greater range of functions and solve more complex problems. By doing so, they will develop and apply critical and creative thinking skills and problem-solving strategies. These activities will also promote development of their skills in working collaboratively and in communicating in the context of a small peer group.

To undertake this course, it is **highly recommended** that students bring and use their own laptop or tablet device.

*Pre-requisites:* B in Year 8 Mathematics

### Design Technologies: Wood, Metal, Electronics - Elective (Year 9 &10)

A practical based subject designed to provide students with the opportunity to develop skills in a variety of disciplines such as Woodwork, Metalwork and Electronics.

Woodwork and Metalwork focusing primarily on the development of practical skills, these subjects will provide students with hands-on experience working with Timber and Timber products, Metals, some plastics and construction materials to develop skills in the design and fabrication of various projects and to acquire a working knowledge of the tools and machinery commonly used in modern trades. Possible projects include tool boxes, side tables, fire pits and barbecues.

In electronics, students design and make their own circuits learning about the components and the electrical theories related to the projects.

### Design Technologies: Fashion - Elective (Year 10)

This Fashion course is a continuation of the year 9 course with a focus on current fashion trends and developing an individual style. Students will also investigate different styles and Colours to suit different people. They will develop practical skills and knowledge as well as gain an insight into the fashion/clothing industry while using a variety of design techniques to construct items and express creativity. Students will also learn about the impact of clothing production on the environment and how to buy/make garments that are ethical. This course can lead to careers in Fashion design, Fashion coordinator, costume maker, wardrobe supervisor and visual merchandiser.

### **Design Technologies: Textiles - Elective (Year 10)**

This textiles course is a continuation from the year 9 textiles course. Students will construct a variety of soft furnishings for their rooms and around the home using their own creative designs and styles. This course is a pathway to the Year 11 MDT course and looks at careers in fabric design, interior design, set design and craftsperson. Students will learn the relevant skills of using the sewing machine, hand stitching, overlocking and looking at new technologies to help with design and textile production.

### **Design Technologies: Child Care - Elective (Year 10)**

This practical subject provides a basic introduction to Child Care incorporating Textiles/Craft/Cooking and the Virtual Parenting Programme. This course is suitable for students interested in, or who enjoy, working with young children. Students will examine the roles and responsibilities of parents and caregivers, and learn valuable skills that will assist them in caring for young children. They will also have the opportunity to care for an electronic RealCare baby as part of a parenting simulation activity. Students will also develop a sound understanding of physical, social, and emotional development of the child and will apply this knowledge in the design and construction of a Babysitter's Survival Kit. This unit provides a solid foundation for students interested in studying the General Course - Children, Family, and Community; and/or Certificate II Community Services - Children in Year 11 and Year 12.

### **Design Technologies: Cafe Foods - Year Long Elective (Year 10)**

Year 10 Cafe Foods is the introduction to Hospitality and Food, Science and Technology - General with students being able to develop basic kitchen skills required for the preparation and presentation of food as well as gaining an insight into cafe trends. Students will learn basic barista skills and prepare and present cafe style foods while working in small groups. Students will also learn the processes of choosing recipes, costing, ordering and preparing sweet and savoury recipes of their choice.

### **Design Technologies: Entertaining with Food - Elective (Year 10)**

This energetic elective involves students learning and practicing various cooking techniques to make both sweet and savoury recipes. New trends, ethical production and new technologies will be included in this course. The emphasis is on advanced food preparation skills which can lead the students into the Year 11 and 12 Certificate Courses and continue with a career in hospitality and catering. Students will experience and investigate a variety of recipes and prepare and design suitable choices for functions. They will also learn many aspects of hospitality and catering such as table service, table decoration, plating and garnishing.

### **Digital Technologies: Computing - Elective (Year 10)**

This course focuses on advanced cyber security as well as the development of flow charts, modeling and logic to effectively plan a 3D interactive game; it would be EXTREMELY advantageous if the student has a keen interest in 3D modeling, game design and multimedia as this course requires EXTENSIVE OUT OF CLASS STUDY. Students will develop 3D modeling and programming skills with the program 'Blender' as well as medium to advanced specialised effects skills with Adobe Photoshop and After Effects that will culminate with the development of their own 3D computer game.

Students will be offered the opportunity to sit an Adobe industry examination in the specialised software Adobe Photoshop at their own cost to gain an internationally recognised certification in preparation for the workforce.

Students can choose to study either Japanese or Mandarin for Years 9 and 10.

### Japanese - Year Long Elective

If you would like to broaden life and career opportunities, travel the world, learn about and experience a rich culture and communicate in a popular language, then you may want to consider studying Japanese. You will develop spoken and written language skills to a point where you can communicate with others using Japanese language as well as experience food and cultural elements of Japan and make yourself eligible for the Year 10/11 language excursion to Japan, a once in a life time experience!

This course will prepare you for senior school courses which grant a **bonus to the ATAR score**.

### Mandarin - Year Long Elective

Are you interested in exploring and learning about other cultures, traveling the world and being able to communicate with the most widely spoken language in the world? You will develop listening, speaking, reading and writing skills at a level which enables communication with other Chinese speakers. This course provides opportunities to a variety of exciting career paths, and will prepare you for senior school courses which include an **ATAR bonus**.

*The School Curriculum and Standards Authority have specific criteria for enrolling in WACE Languages Courses in Year 11 and 12. A student must meet all the criteria for enrolment: Education, Residency and time spent in country and Use of language outside the classroom. These criteria should be considered when choosing which Language to study in Year 7. Atwell College offers Second Language Course Pathways for both Japanese and Mandarin into Year 11 and 12.*

*For background speakers and first language speakers, please enquire with Mr. Regan – Teacher in Charge of Languages*

## ENGLISH LEARNING AREA

### **English Academic Extension (AEP)**

Students who are committed to achieving and maintaining high grades are invited to participate in the AEP program. The course is designed to engage students with the English curriculum, with a focus on extension and acceleration activities.

### **English General**

Students who are able to maintain a satisfactory result are expected to participate in this course. The course is designed to engage students with the English curriculum in order to develop their skills, understandings and knowledge.

### **English Literacy/Numeracy Focus**

Students who are achieving below the expected level of achievement may participate in this course. The course is designed to identify specific areas of need for the individual student that require intensive, focused teaching in order for progression to occur.

### **English English as a Second Language (ESL)**

This course runs from Year 7 to Year 10, providing additional support for second language learners and building their skills and confidence in English within listening, speaking, reading and writing.

### **English English as an Additional Language or Dialect**

This upper school course offers both General and ATAR pathways, which increase students' knowledge of Australia, while developing their academic skills in listening, speaking, reading and writing.

## HUMANITIES AND SOCIAL SCIENCES LEARNING AREA

### **Humanities and Social Sciences Academic Extension (AEP)**

Students are extended to demonstrate independence in critical thinking and skill application, which includes questioning, researching, analysing, evaluating, communicating and reflecting. Students are expected to maintain a strong work ethic and maintenance of high grades through consistent application of these skills.

### **Humanities and Social Sciences General**

Students develop independence in critical thinking and skill application, which includes questioning, researching, analysing, evaluating, communicating and reflecting. Students are expected to participate in all activities with a good work ethic and maintain passing grades.

### **Humanities and Social Sciences Literacy/Numeracy Focus**

Students identified as requiring extra support are placed on modified learning programs offering a scaffolded approach to achieve progress in their skills to maintain acceptable grades.

### **Career Education - Elective (Y10 only)**

Career Education involves learning to manage and take responsibility for personal career development. The Career Education elective subject involves recognising one's individual skills and talents and identifying areas of growth. Students will evaluate the learning and work pathways available to them, discover opportunities, make connections and prepare for transitions.

**\*Students must bring their own laptop to be eligible for this elective subject.**

### **Mathematics** *Academic Extension Program (AEP)*

Available upon successful application (Year 9) and a commitment to maintain high grades through consistent effort. This course is designed to extend student learning through the use of technology and developing problem solving skills. Students are expected to participate in the Australian Mathematics Challenge and Trust Competitions.

### **Mathematics** *Pathway 1*

Students who are able to maintain passing grades and a good work ethic. This course concentrates on developing students mathematical skills at the Western Australian Curriculum year 9 or 10 level. It is expected that students have sound numeracy and computational skills as non-calculator work is a key component of the course.

### **Mathematics** *Pathway 2*

Students in this course are working at a level that is below the year level curriculum. The aim of this course is to systematically identify student deficiencies in Mathematics and provide opportunities for students to rectify these and thus move forward in their abilities.

### **Mathematics** *Literacy/Numeracy Focus*

This course is for students who are identified as low numeracy and literacy in Mathematics who may require additional support as they consistently struggle to maintain acceptable grades. Through the use of online learning platforms and programs to help students move forward in Mathematics, the aim of this course is to develop student's functional numeracy skills.

### **Science Academic Extension (AEP)**

An application process is in place and students normally receive an offer to join the programme. Class members are expected to maintain high grades through consistent effort.

### **Science General**

The majority of the cohort joins general classes. Students are expected to develop a sound work ethic and maintain satisfactory grades.

### **Science Literacy/Numeracy Focus**

Students who consistently struggle to maintain acceptable grades and may require additional support are placed into a scaffolded environment focused on achievement of individual learning goals.

### **Cosmetics - Elective**

The Cosmetics course looks at a wide range of soaps, perfumes, moisturisers, aromatic oils and makeup to see how they are made and used. Students have the opportunity to manufacture their own samples of these and compare them with industrially made products. They look at the formulation of products such as lip gloss and how it helps the appearance of lips and prevents drying. Students examine the structure of hair, the reasons for damage and how hair products improve both the structure and appearance of hair. The history of cosmetics and their use is investigated. Comparisons are made of different brands using both anecdotal and scientific evidence. The ways in which cosmetics are used and the reasons for their use is examined. It looks at the claims made by marketing companies of cosmetics and how these claims can be verified and the different ways they are marketed. The ethics of animal testing is examined as well as the ethical use of marketing. Students learn skills that are transferable to other subject areas and to their day to day lives. The skills learned are useful for Integrated Science in Year 11 and the unit can incorporate extension activities that are beneficial for students selecting ATAR Chemistry and Human Biology.

### **Sports Science - Elective**

This elective subject is a practical human movement based course to help introduce students to Senior School Science, whether it be in General Integrated Science or Human Biology. The course would also greatly benefit the General Phys Ed and ATAR Phys Ed students and help them to acclimatise to the high theory load that the subjects have. Sports Science will explore Biomechanics (in AFL context), Biochemistry (exploring the use of supplements and sport drinks) and Biophysics (exploring overcoming gravity and inertia in track and field athletics and the distribution of force).

### Health Education

Health Education in Years 9 and 10 is delivered one hour per week and centres round the teaching of relevant contemporary topics with the aim of giving students accurate health information in a supportive environment. Examples of topics included in the program are Drug Education, Mental Health and Well Being, Relationships Education and Driver Education (Year 10).

### Physical Education

At Atwell College, Physical Education (PE) is a highly valued learning area that offers students a wide range of learning experiences. The delivery of PE at Atwell takes a holistic, student centered approach, encouraging in students a value for pursuing a healthy and active lifestyle, both in the present and into their future. Students will have the opportunity to develop skills in a wide range of sports and pursuits, with emphasis on providing leadership opportunities and teaching the value of contributing positively in a team environment.

### Outdoor Education - Elective (Y10 only)

Students who enjoy outdoor activities and learning about how we can interact safely with the natural environment may be interested in selecting Outdoor Education (OE) as an option in Year 10. These entry level courses, have both a practical and theoretical element to them, that will give students some insight and skill sets to follow their interest in OE through to Year 11 and 12, in courses such as Outdoor Recreation (Certificate II) and General Outdoor Education.

### Specialised Physical Education - Elective (Y9 and 10)

Those students who are interested in and have an aptitude for Physical Education, can choose to study Specialised Physical Education (SPE) as an option subject in Year 9 and 10. SPE has both a practical and theoretical component to it, which allows sports minded students an opportunity to learn about how an athlete prepares both physically and mentally for competition, along with a chance to be involved in sporting pursuits with likeminded students. Students who choose SPE should have received strong grades (B's or above) in Year 7,8 and 9 general PE and may also be interested in selecting ATAR level Physical Education Studies in Year 11 and 12.

### Specialised Health - Elective (Y10 only)

Specialised Health is for students who are considering studying Health Studies in Year 11 and 12. Students will develop critical health literacy through a range of activities conducted in both practical and theoretical contexts. Main areas of focus will be mass media health campaigns, population health data, national health priority areas, self-management and interpersonal skills. It is recommended that students who are wishing to choose this subject have achieved a B grade in Health Education during years 7 – 9.

### Vocational Physical Education - Elective (Y10 only)

This new course for Yr 10 in 2018 is designed to give interested Physical Education students an opportunity to develop knowledge and skills that would lay the foundation for the Physical Education Vocational Pathway into Sport and Recreation in Year 11 and 12. The course would include opportunities to plan and assist in the delivery of sporting and leisure activities, basic coaching principles, proper use and maintenance of equipment along with further opportunities to engage in physical activity. This option would be recommended for students who might be interested in choosing a Certificate course in Sport and Recreation in Senior School.

### Netball and Rugby League Specialist Programs - Year Long Elective

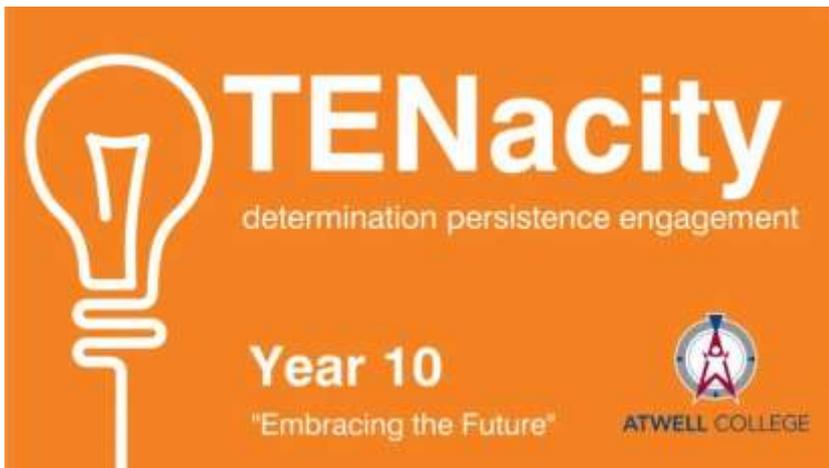
Students are selected based on their athletic ability, skill level, behaviour, grades (please note that students must maintain a C grade average in ALL subjects), and commitment. Trials are held annually.

## Year 9 R.I.S.E



The Year 9 RISE program develops student's skills to be reflective members of the Atwell College school community. Students revisit how to establish positive relationships and begin a journey of self-reflection as they begin to understand the paths they will take at Atwell College towards senior schooling.

## Year 10 TENacity



The Year 10 TENacity program focuses on assisting students to decide on their future pathways. Time is spent developing in students, and parents, the skills and knowledge regarding the future pathways available at Atwell College. Students develop knowledge of their own strengths and reflect on their academic progress. Goal setting and Year 11 course selections are an important aspect to the program.

## Year 11 Pathway Options 2018

