



ATWELL COLLEGE



# Year 10

## Course Selection Handbook

Edition 2021

*Independent Public School*

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## Overview

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

	Learning Area	Hours per week
<b>Compulsory</b>	English	4
	Humanities and Social Sciences	4
	Mathematics	4
	Science	4
	Health and Physical Education	3
<b>Electives are chosen from the following areas:</b>	Health and Physical Education Humanities and Social Sciences Languages Science Technologies The Arts	6
	<b>Total hours</b>	<b>25</b>



## Specialist Programs

The following programs are designed to meet the needs of selected students in a particular area of the curriculum.

### Academic Enrichment Program (AEP)

At Atwell College, our Academic Enrichment Program (AEP) is designed to challenge students academically and build on their self-management and reflection skills, developing well rounded independent learners. The College offers Academic Enrichment classes in the four core learning areas: English, HASS, Mathematics and Science. Placement in these classes is reviewed at the end of every semester.

### Education Support

Atwell College caters for students with a full spectrum of disabilities from severe intellectually disabled individuals in a specialist building, to students with mild disabilities in small classes in general learning areas. There is a focus on student centered planning that encompasses the academic programs as well as social emotional wellbeing of students.

The Kim Beazley Learning Centre (KBLC) building is a purpose built, safe facility for students with special needs. The building is equipped with a hydrotherapy pool, specialist sensory equipment and life skills training rooms and can cater for therapists who attend the school.

### Netball Specialist Program (NSP) (only available to previously selected students)

Atwell College is endorsed as a Tier 1 Specialist Netball School by Netball Western Australia. This endorsement recognises the Netball Specialist Program as one of the Top 5 Specialist Netball School Programs in the state. Students have the opportunity to develop physical, social and psychological skills throughout their time within the program. Knowledge, strategies and tactics of Netball are assimilated in a progressive way to ensure athletes move from a basic to an advanced level.

### Rugby League Specialist Program (RLSP) (only available to previously selected students)

Atwell College is one of Western Australia's leading Rugby League schools. The school-based Rugby League Specialist Program is an elite sporting program developed by Atwell College in conjunction with the National Rugby League Western Australia. The program helps engage students at school and also provides outstanding opportunities to develop specific skills, knowledge and experiences.

### STEM Enrichment Program (SEP)

A designated Science Technology Engineering Mathematics (STEM) Program, preparing students with up-to-date skills required in industry. Students have the opportunity to participate in State and National competitions utilising these associated STEM skills. This course is supported by the Marine Industries Schools Pathway Program with course links and activities endorsed by Curtin and Murdoch Universities. SEP and related STEM subjects are designed to enhance student knowledge and opportunities for direct placement in related industries and university courses.

## Elective subjects and payment options 2021

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 Parent/Guardian 1 as shown in the school database. Please ensure that these details are up to date.

Parents and students will be able to access the [SSO link](#) on the school website from Thursday 13 August, 4pm till Thursday 20 August, 8am.

Using the SSO program, students will rank their preferred electives for the year from 1 to 10. The elective subjects listed in this handbook will only operate next year if they attract sufficient numbers. The ranked list will assist in placing students in the next available subject, so preferred rankings should be completed thoughtfully.

Course costs within this handbook are indicative and will be confirmed when the Contributions and Charges are approved by the College Board. Parents will be advised before the end of Term Four 2020.

In December, once the timetabling process is completed, an invoice will be sent to each family which will include the electives that each child is enrolled in for the following year.

There are no maximum charges set by the State Government. Charges the College has set for the courses are **compulsory** and will depend on the course chosen. Some specific courses will incur higher costs dependent on such items as text, subject-specific resources, materials, excursions, Certificates and work placement.

50% payment is required to confirm placement in selected courses with the balance of payment due by the end of Term One 2021.

### Payment Options the College offers

**Cash/Cheque/EFTPOS/Credit Card** at Atwell College Reception Administration Building

**Direct Deposit** to Atwell College

Account Name:	Atwell College
BSB:	066-040
Account Number:	19900946
Reference:	Student's Name



Click the icon or visit: [Atwell College Website Payments](#)

## HEALTH AND PHYSICAL EDUCATION

### Human Movement - Semester Elective

- 2021 Course cost \$30 per semester
- Prerequisite: B grade or higher in Year 9 Physical Education

Human Movement has both a theoretical and practical component that allows physically active and sports minded students an opportunity to learn about how humans create movement and cope with the demands of exercise. Students will also have an opportunity to participate in practical based sessions that help develop understanding of class concepts and give them a chance to demonstrate their ability in a sporting context. This course will be useful for those students who intend to study courses in the Physical Education pathway in either ATAR, General or Certificate courses for Year 11 and 12.

### Netball and Rugby League Specialist Programs

- Netball 2021 Course cost \$250 per year
- Rugby League 2021 Course cost \$75 per year

Students are selected based on their athletic ability, skill level, behaviour, grades and commitment. Trials are held annually. See information on the College website for further details.

### Outdoor Education - Semester Elective

- 2021 Course cost \$75 per semester

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 Health Education - Semester Elective

- 2021 Course cost \$30 per semester
- Prerequisite: B grade or higher in Year 9 Health Education

Specialised Health Education 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.



## HUMANITIES AND SOCIAL SCIENCE

### Career and Business Studies - Semester Elective

- 2021 Course cost \$16 per semester

Students will learn valuable skills that will help with their personal and career development in a rapidly changing world. The course will cover topics such as personal finance, budgeting, use of Microsoft Office, business recordkeeping and managing their career. Students will be taught the practical skills required in today's workplaces and explore different career pathways they may be suited to.

## LANGUAGES

Students can choose to study either Japanese OR Mandarin.

### Japanese - Year Elective

- 2021 Course cost \$48 per year

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 and experience the food and cultural elements of Japan and make yourself eligible for the Year 10/11 language excursion to Japan, a once in a lifetime experience! This course provides opportunities to a variety of exciting career paths and will prepare you for senior school courses which grant a bonus to the ATAR score.

### Mandarin - Year Elective

- 2021 Course cost \$48 per year

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 grant a bonus to the ATAR score.

*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, i.e. Education, Residency and time spent in country and use of language outside the classroom. Atwell College will endeavor to offer Second Language Course Pathways for both Japanese and Mandarin into Year 11 and 12, however this is dependent on student numbers.*

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

## SCIENCE

### Cosmetic Chemistry - Semester Elective

- 2021 Course cost \$50 per semester

Cosmetic Chemistry looks at a wide range of soaps, perfumes, moisturisers, aromatics oils and make up to investigate how they are made and their use. Students have the opportunity to manufacture their own samples of some of these cosmetics and compare them with commercially available products. Students will look into the formulation of products, such as lip balm, how it helps the appearance of their lips and how it retains moisture. Students investigate the history of cosmetic use, looking at what was used, how it was used and the reasons for their use. The unit incorporates extension activities that are beneficial for students selecting ATAR Chemistry or Human Biology.

## TECHNOLOGIES

### Design and Technologies

#### Metal Technology 5 - Semester Elective

- 2021 Course cost \$120 per semester

A practical based subject that includes the use of Computer Aided Drawing (CAD) software to design projects made predominantly from metal. Students will be expected to learn and follow Occupational Health and Safety (OHS) Legislation in the workplace to safely use tools and machines commonly found in the metalworking industry. A variety of welding and brazing processes will be taught along with use of lathes, milling machines and bending equipment commonly found in the Metal Fabrication Industries. Developing hand skills will be a predominant focus in this course which is aimed at preparing students for VET Certificate II in Engineering. The projects the students make vary according to their skill level and interest.

#### Metal Technology 6 - Semester Elective

- 2021 Course cost \$120 per semester

A practical based subject that includes the use of Computer Aided Drawing (CAD) software to design projects made predominantly from metal. Students will be expected to learn and follow Occupational Health and Safety (OHS) Legislation in the workplace to safely use tools and machines commonly found in the metalworking industry. A variety of welding and brazing processes will be taught along with use of lathes, milling machines and bending equipment commonly found in the Metal Fabrication Industries. Developing hand skills will be a predominant focus in this course which is aimed at further preparing students for VET Certificate II in Engineering. In Semester Two, the emphasis will be on the construction of more complex projects.



## Wood Technology 5 - Semester Elective

- 2021 Course cost \$120 per semester

A practical based subject that includes the use of Computer Aided Drawing (CAD) software to design projects made predominantly from wood. Students will be expected to learn and follow Occupational Health and Safety (OHS) Legislation in the workplace to safely use tools and machines commonly found in the woodworking industry such as the band saw, router, thicknesser, biscuit cutter and drill press. The projects the students make vary according to their skill level and interest.

## Wood Technology 6 - Semester Elective

- 2021 Course cost \$120 per semester

A practical based subject that includes the use of Computer Aided Drawing (CAD) software to design projects made predominantly from wood. Students will be expected to learn and follow Occupational Health and Safety (OHS) Legislation in the workplace to safely use tools and machines commonly found in the woodworking industry such as the band saw, router, thicknesser, biscuit cutter and drill press. The projects the students make vary according to their skill level and interest. In Semester Two, the emphasis will be on the construction of more complex projects.

## Digital Technologies

### Information Communication Technology - Semester Elective

- 2021 Course cost \$16 per semester

Students build on the skills gained in the year 9 elective for example by delving deeper into graphics programming and animation, (including 3D). Students gain a fundamental understanding of the hardware component of IT, data storage, manipulation and management. Issues such as cybercrime, internet privacy, the ethical issues in IT and the impact of technology on the community are studied alongside the production of IT solutions to real world problems. Year 10 ICT provides a good foundation for Year 11 Applied Information Technology.

## Home Economics

### Café Foods - Semester Elective

- 2021 Course cost \$100 per semester

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.

## Entertaining with Food - Semester Elective

- 2021 Course cost \$100 per semester

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.

## Fashion - Semester Elective

- 2021 Course cost \$100 per semester

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 is suited to students with an interest in careers in Fashion design, Fashion coordinator, costume maker, wardrobe supervisor and visual merchandiser.

## Textiles - Semester Elective

- 2021 Course cost \$16 per semester

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 Textiles course and is suited to students with an interest in 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.

## The Developing Child - Semester Elective

- 2021 Course cost \$90 per semester

This practical course is suitable for students who enjoy being around, or are interested in working with infants and young children. A range of practical and interactive activities will assist students with the investigation of family structures, birth, caring for a newborn and the physical, social/emotional and cognitive development of a child over the first five years of life. The opportunity to care for an electronic RealCare baby, as part of a parenting simulation, will solidify some of the theoretical work completed in the course regarding skills that will assist students in caring for infants and young children. This course provides a solid foundation for students interested in studying Children, Family and Community - General or the Vocational Education and Training Certificate II in Communities Services in Years 11 and 12.

## STEM

### Coding - Year Elective

- 2021 Course cost \$120 per year

Students will apply skills and knowledge of script-based coding languages to the design and development of solutions to problems or the creation of a useful program. Students will write, test and modify code, focusing on the Java and Python coding languages. By doing so, they develop and apply critical and creative thinking skills and problem-solving strategies. These activities 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. This course will be run in conjunction with the Robotics course which is recommended that students enrol in.

### Computer Aided Drawing – Semester Elective

- 2021 Course cost \$16 per semester

A course purely aimed at developing students drawing skills using Industry Standard Software. Students will learn how to use the software to draw mechanical plans and 3D representations of products using up to date conventions. It is highly advisable to take this course if you are interested in occupations such as Drafting, Engineering and or any Mechanical or Fabrication Industry. These skills are highly sought after in Industry.

### Electronics - Semester Elective

- 2021 Course cost \$120 per semester

A digital and practical based subject that utilizes Computer Aided Drawing (CAD) and Computer Aided Machining (CAM) Technologies to produce projects that are made from plastics and composite materials. Students adhere to Occupational Health and Safety standards in the workplace while developing understandings of electrical components and robotic principals. Students are required to use basic flowchart programming to perform electrical tasks.

### Introduction to Mechatronics - Semester Elective

- 2021 Course cost \$80 per semester

This course is a combination of the Coding and Robotics Courses and is designed as an introduction to Mechatronics.

## Robotics - Year Elective

- 2021 Course cost \$170 per year

This elective provides a foundation for students aspiring to undertake Engineering Studies (either ATAR or General) in Years 11 & 12.

Working in teams of 3 to 5, students will be entered in either the [Subs in Schools](#) or the [4x4 in Schools](#) Technology Challenges, which are run by the [Re-Engineering Australia](#) (REA) Foundation. As participants in these exciting and engaging STEM programs, they will design, fabricate, assemble, test and perform modifications on either, a large underwater Remotely Operated Vehicle (ROV), or a radio controlled 4x4 vehicle.

In both programs, each team's vehicle is required to precisely perform a series of increasingly challenging and complex tasks, under the control of several different team members at different stages. As members of a simulated small business seeking to pitch their 'product' to industry, teams will also be required to market their vehicle, including design and construction of a Trade Display booth, production of an Engineering portfolio and an Enterprise portfolio, and delivery of verbal presentations before a panel of judges. In 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.

Students will develop and employ a range of enterprise skills and knowledge that are highly valued by, and readily transferable to roles within, STEM industries and workplaces. Students will use AutoCAD Inventor to design and dimension components, and use 3D printers, laser cutters and CNC milling machines to fabricate their designed components for use on their vehicle. In addition, students will develop knowledge and skills in electronic systems through the design and manufacture of printed circuit boards, installation and verification of satisfactory operation through testing under a range of conditions before proceeding to competition. Accordingly, students undertaking this course are strongly encouraged to additionally undertake the CAD and Electronics courses.

## THE ARTS

### Class Music - Year Elective

- 2021 Course cost \$75 per year

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. Background in playing a musical instrument is required for this subject.

### Dance - Year Elective

- 2021 Course cost \$32 per year

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 focuses on a range of dance styles and students will have the opportunity to perform before audiences. This course will be great preparation for students wishing to enrol in Dance in Year 11 and 12. It is highly recommended that students also take the Stage and Event Production Elective to support their development.

## **Dance - Contemporary and Lyrical - Semester 1 Elective**

- 2021 Course cost \$16 per semester

The Contemporary & Lyrical Dance course introduces the students to new genres and choreography to popular music. There will be a focus on floor work, improvisation and group work plus contemporary technique. Students will improve their coordination, balance, strength and flexibility and have the opportunity to perform their Contemporary or Lyrical routine in front of a live audience.

## **Dance - Hip Hop and Jazz - Semester 2 Elective**

- 2021 Course cost \$16 per semester

The Hip Hop & Jazz Dance course introduces the students to new genres and choreography to popular music. There will be a focus on Hip Hop styles such as tutting and breakdance, energetic choreography plus genre specific technique. Students will improve their coordination, balance, strength and flexibility and have the opportunity to perform their Hip Hop or Jazz routine in front of a live audience.

## **Drama - Year Elective**

- 2021 Course cost \$32 per year

The course covers a range of styles including Realist Theatre to Theatre of the Absurd and Street Theatre. Students will prepare and perform a variety of original and scripted pieces for performance. This program may include a professional theatre company production incursion/excursion that will incur an additional cost. Students will be required to perform in front of an external audience after school during the course of the year at events such as the College's annual art exhibition. This will form part of their assessment for the year. This course is great preparation for students wishing to enrol in Drama in Year 11 and 12.

## **Drama - Semester Elective**

- 2021 Course cost \$16 per semester

This course covers a range of styles including Realist Theatre to Theatre of the Absurd and Street Theatre. Students will prepare and perform a variety of original and scripted pieces for performance. This course may include a professional theatre company production incursion/excursion that will incur an additional cost.

## **Fine Art - Year Elective**

- 2021 Course cost \$100 per year

This course is designed for students who already possess well developed Art skills and understandings to prepare them for Art courses in Year 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, and engage with the visual inquiry process to develop an extensive portfolio of drawings and designs. Students 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 during the year which will be displayed.

## Graphic Design - Semester Elective

- 2021 Course cost \$25 per semester

Using computers and tablets, students will learn the different techniques and ways that graphic designers create illustrations and manipulate photos and master font in Adobe programs. Access to drawing tablets, cameras, GoPros 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.

## Interactive Digital Design - Semester Elective

- 2021 Course cost \$16 per semester

This course will provide students with a background meshing Media with Information Technology to do well in the Certificate II in Information, Digital Media and Technology. This course is recommended for students who have no background in Media but intend to enrol in Year 11 Certificate II in Information, Digital Media and Technology course. Students will explore photo manipulation in advertising, short film production, website design, website coding and team-orientated flash-based video game creation using the Adobe Suite (Photoshop, Premiere Pro, Dreamweaver and Flash). Where possible, students will have to market test their video games by organising a video game tournament to take place during lunchtime.

## Media - Semester Elective

- 2021 Course cost \$16 per semester

Explore the workings of Media texts and apply your knowledge to create your own. Get the chance to use industry-standard software such as Photoshop, Premiere Pro, InDesign, Illustrator and Dreamweaver to take your media related ideas from planning to final production phases to produce your own comic books, film posters, animation, video games, feature articles, radio segments and news broadcasts. Hone your ability to conceptualise your aims using equipment such as Canon DSLR cameras, Sony Handycams and Rode Microphones. Students add to their learning with the exploration of horror film production and special effects makeup whilst investigating German Expressionism and its impact on modern horror films.

## Mixing and Sampling Music - Semester Elective

- 2021 Course cost \$24 per semester

Will you be the hottest new DJ on the scene? Students develop their musical skills to create 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! 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.



## Photography - Year Elective

- 2021 Course cost \$70 per year

The photography year long course is designed to provide students with the knowledge and skills required to produce photographic images of a high standard. Semester two will see you develop greater skills, building on what you learnt in semester 1. This course will prepare you to successfully transition into General Photography in Year 11 and 12. If you enjoy the art of photography and would like to develop your skills, this course is best suited for you.

## Photography - Semester Elective

- 2021 Course cost \$35 per semester

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.

## Stage and Event Production - Semester Elective

- 2021 Course cost \$20 per semester

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! This course is recommended for students who study Dance and Drama Year Long Elective.

## Visual Art 2D - Semester Elective

- 2021 Course cost \$50 per semester

Students will be involved in a range of Visual Arts 2 Dimensional artworks, including painting, printmaking and/or drawing. Students will investigate contemporary and historical artists in their artwork and will have the opportunity to display their work around the school or in our College annual art exhibition.

## Visual Art 3D - Semester Elective

- 2021 Course cost \$50 per semester

Students will be involved in a range of Visual Arts 3 Dimensional artworks, including ceramics (clay) and/or sculpture. Students will investigate contemporary and historical artists in their artwork and will have the opportunity to display their work around the school or in our College annual art exhibition.



## ATWELL COLLEGE

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