



FREMANTLE
COLLEGE



Course Handbook
Year 9 and 10, 2025



Introduction

This handbook contains course electives information for students (split into Learning Areas) who will be in Years 9 and 10 in 2025. It is designed as a reference to the courses and subjects offered at Fremantle College. The School Curriculum and Standards Authority (SCSA <https://www.scsa.wa.edu.au/>) provide additional information about assessment and certification.

Advice and information is also available from the Associate Principals, Heads of Learning Area and the teaching staff.

Good partnerships between teachers, parents and students are essential to your child's success. Good communication and feedback are also important. We are using technology to improve communication to parents and students this year. These initiatives include:

College Website – <https://fremantlecollege.wa.edu.au>

Facebook[®] and Instagram – Fremantle College has an official Facebook and Instagram Page. These will be used as a tool to communicate with parents and the broader community about what is happening in our school. You will be regularly updated about all the great things that happen in our College. Be sure to like our page and subscribe to the notifications.

Compass is our school management system that allows parents and carers to access up-to-date and meaningful information about the school and your child's progress. Compass includes many different features, including the ability to monitor your child's attendance, communicate with your child's teacher, view your child's timetable, monitor your child's homework and assessment tasks, pay and provide consent for events.

Email - We have been using email for some time in an attempt to reduce paper usage and to speed up communications. Parents are encouraged to provide and update the school with their most current email address so that you do not miss out on important information.

SMS Text Messaging – We will continue to send text messages to parents regarding student absenteeism, and on occasion, for important news. Please ensure we have your current mobile phone number and update the school with new numbers for these key communications.

All information contained in this handbook is correct at the time of publication.

TIMETABLE STRUCTURE for YEAR 9 and YEAR 10 at FREMANTLE COLLEGE

Fremantle College operates on a five sessions per day timetable. The Western Australian Department of Education requires that the breadth of course is covered by all students in Years 9 and 10. In term 3 of each year, students will have a chance to select their choice of electives by using the Subject Selection Online platform for Year 9 and Year 10. This handbook only describes the elective choices for each of the year groups.

Hours for each course in a week are as follows for Year 9:

Hours	Course	Details	Specialist/Academy
4	Mathematics	Year long	GATE* or Academic Excellence**
4	English	Year long	GATE or Academic Excellence
4	Science	Year long	GATE or Academic Excellence or Marine Science
4	HASS	Year long	GATE or Academic Excellence
2	Physical Education	Year long	PE Marine or AFL Academy (y9 and Y10)
1	Health Education	Year long	
2	Elective 1 + 2	One semester each^	
2	Elective 3 + 4	One semester each^	
2	Elective 5 + 6	One semester each^	

Hours for each course in a week are as follows for 10:

Hours	Course	Details	Specialist/Academy
4	Mathematics	Year long	GATE* or Academic Excellence**
4	English	Year long	GATE or Academic Excellence
4	Science	Year long	GATE or Academic Excellence or Marine Science
4	HASS	Year long	GATE or Academic Excellence
2	Physical Education	Year long	PE Marine or AFL Academy
2	Health Education	Year long	
2	Elective 1 + 2	One semester each^	Or PE Marine or AFL Academy
2	Elective 3 + 4	One semester each^	
1	STEPS class	Year long	

• Gifted and Talented program – Centrally selected

** Academic Excellence Academy – School based academic extension classes

^ Electives can only be done once per year (one semester each), unless it's a yearlong elective.

PE Marine and the AFL Academy take up 4 periods a week in year 10 for the whole year and replace Physical Education as well as Elective 1 +2. Specialist Music takes up 4 periods a week.

Students who are in our Specialist Music Program as well as our Marine Program will not be able to pick another elective in Year 10. Their Health and STEPS classes will be adjusted accordingly.

The costs mentioned in this handbook for each course were for 2024. The final cost for 2025 courses may differ.

Below is a list of Elective Courses available for students to choose in 2025 for Year 9 and Year 10.

Students will be emailed instructions on how to select electives, using Subject Selection Online in Term 3 2024.

The Arts		
Course	Year	Length of Course
Advanced Photography	10	Semester
Advertising and Design	10	Semester
Drama	9 and 10	Semester
Film Appreciation	9	Semester
Film & TV	9 and 10	Semester
Photography Essentials	9	Semester
Music	9 and 10	Semester
Music Specialist	9 and 10	Year long, Music students only
Visual Arts 2D	9 and 10	Semester
Visual Arts 3D	9 and 10	Semester

HASS		
Course	Year	Length of Course
Debating	9	Year long
Mock Trials and Debating	10	Year long
Futures	9	Semester

Health and Physical Education		
Course	Year	Length of Course
AFL Academy	9	Year long, AFL Academy students only
AFL Academy	10	Year long, AFL Academy students only
Beach Volleyball	9 and 10	Semester
Fitness for Fun	9 and 10	Semester
Outdoor Education	9 and 10	Semester
PE Marine	9	Year long, Marine students only
PE Marine	10	Year long, Marine students only
Health & Physical Education	9 and 10	Year long
Sport Science	10	Semester

Languages		
Course	Year	Length of Course
Italian	9	Year long
Italian	10	Year long (new 2024)

Science		
Course	Year	Length of Course
Forensic Science	9	Semester
Marine Science	9	Open for all students, not just Marine students

Technologies		
Course	Year	Length of Course
Café Culture	10	Semester
Digital Technologies	9 and 10	Semester
Fashion and Textiles Technologies	10	Semester
Game Design	9	Semester
ICT Specialist	9 and 10	Year long, ICT students only
International Foods	9	Semester
Introductory Engineering	9 and 10	Semester
Materials Design Technologies Metal	9 and 10	Semester
Materials Design Technologies Wood	9 and 10	Semester
Mechatronics	9 and 10	Semester
Textiles Technologies	9	Semester

LEARNING AREA: THE ARTS

PHOTOGRAPHY ESSENTIALS - YEAR 9

In Year 9 Photography Essentials, students will have the opportunity to work with the DSLR cameras learning how to manually adjust settings such as aperture, shutter speed and ISO to take the perfect photo like a pro! Students can also use the studio lights, understanding how lighting can enhance the overall look, to create perfect product photography. Finally, students will combine their camera skills with industry standard software and edit their images in Adobe Photoshop learning the art of manipulating images to make flawless photographs.

The cost for this course attracted a Compulsory Charge of \$40.00 per Semester in 2024 to cover cost of media equipment and programs.

ADVANCED PHOTOGRAPHY - YEAR 10

In Year 10 Advanced Photography, students will extend on their knowledge of photography learning advanced editing techniques such as double exposures and how to use photography to tell a story, as seen in photo essays or photojournalism – how a photo can tell a thousand words. Students will combine their camera skills with industry standard software and edit their images in Adobe Photoshop.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.



ADVERTISING and DESIGN – YEAR 10



In Year 10 Advertising & Design, students will study advertising and design concepts and strategies. They will design branding/packaging designs for companies as well as revitalise advertisements from the 1950s. Alongside the practical tasks, students will learn the fundamentals of design and how values, message and meaning help to communicate with a target audience.

The cost for this course attracted a compulsory Charge of \$40.00 per Semester in 2024 to cover cost of media equipment and programs.

DRAMA - YEAR 9

The Year 9 Drama (General) course fosters fun, creativity and spontaneity and refines each student's talent in performance, design and theatre making. Students will extend their skills in voice, movement, improvisation and characterisation. Students will be involved in performances of published scripts and their own self-devised material, including a consideration of design elements such as costume, set, lighting, sound and promotion. Students will enjoy rehearsing and performing in our Fremantle College Performing Arts Centre. This is an exciting course for all students interested in acting and performing and will include a study of melodrama, acting for camera, as well as mask (including Commedia dell' Arte).

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

DRAMA - YEAR 10

The Year 10 Drama (General) course is for all students who love the idea of performing or would like to develop their ability to perform to an audience or camera. Students will develop the skills and confidence to bring a script to life, both on stage and on screen. The course involves a specialised study of acting methods and performance techniques, with workshops in improvisation, voice, movement and characterisation preparing students to create and produce individual and group performances. Students will enjoy rehearsing and performing in the Fremantle College Performing

Arts Centre. Drama forms will include youth theatre, theatre of the absurd and screen performance (including the creation of a short film). Students will also refine their skills in the elements of design including costume, set, lighting, sound and promotion.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

FILM APPRECIATION - YEAR 9

In the Film Appreciation class, students will view a range of culturally significant films from a range of past and present times and cultural contexts. Students will study a diverse range of films, including silent film, Golden Age of Hollywood, Arthouse Films, Australian film, Animation, Short Film, and films for social change. Students will also investigate the impact that context and viewpoints have on media audiences.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

FILM and TV – YEAR 9

Year 9 students will build on their knowledge of genre, using design software to create film posters, and then working in groups to create a genre-inspired film trailer. They will then investigate television news media, developing their skills of scriptwriting, storyboarding, and production.

The cost for this course attracted a Compulsory Charge of \$40.00 per Semester in 2024 to cover cost of media equipment and programs.



FILM & TV – YEAR 10

In Year 10 Film & TV, students will build on skills and processes knowledge to create a short film, utilising specialised camera equipment and industry-standard editing software. Students will script write, storyboard and plan for their production and take on a crew role to produce their final projects. They will explore and understand the documentary genre and produce a short form documentary, developing their understanding and creation of non-fiction narratives.

The cost for this course attracted a Compulsory Charge of \$40.00 per Semester in 2024 to cover cost of media equipment and programs.

VISUAL ARTS

Visual Arts incorporates several Arts disciplines including Drawing, Painting, Design, Ceramics, Sculpture, Textiles, Jewellery and Fashion Design.

Students are encouraged to use visual communication to challenge their own original ideas, and the ideas of others, both as arts practitioners, and members of an audience. They will develop and extend conceptual and perceptual knowledge and understanding, critical analysis and practical skills, through the exploration of the world in which they live and experience and the world of the imagination.

The Visual Arts course extends students' critical thinking skills in the analysis and interpretation of artworks, encouraging cultural appreciation of the arts in both a historical and a contemporary context, through the exploration of artists and their works. Students will celebrate the success of their works in our annual Fremantle College Arts Fest to be held in Term 4 at the conclusion of the year.



VISUAL ARTS 2D – (PAINTING, ILLUSTRATING & PRINTMAKING) YEAR 9



In Year 9 Visual Art 2D (Painting, Illustration & Printmaking) students will explore a range of two-dimensional artwork mediums. They will experiment with a range of materials and techniques as they develop their unique style. Students will demonstrate the foundation skills of drawing to build on their understanding of how the elements and principles can be manipulated to convey meaning. Students are introduced to critical thinking frameworks as they explore different art styles and movements. Students will follow the design process to produce a resolved artwork and reflect on their own practice using arts language.

VISUAL ARTS 3D – (CERAMICS & SCULPTURES) YEAR 9

In Year 9 Visual Arts 3D (Ceramics & Sculpture) students will develop an understanding of how shape and form are connected in the production of three-dimensional artworks. Students will experiment with hand building clay techniques to develop their own creative design and build practical skills for working with sculpture. Students are introduced to critical thinking frameworks as they explore different art styles and movements. Students will follow the design process to produce a resolved artwork and reflect on their own practice using arts language.



The cost for these courses attracted a [Voluntary Contribution of \\$18.00 per Semester in 2024](#). Basic materials will be provided to students as part of the voluntary contribution to complete this course. Students can elect to purchase additional materials for their particular projects themselves.

VISUAL ARTS 2D (PAINTING, ILLUSTRATING & PRINTMAKING) - YEAR 10



In Year 10 Visual Arts 2D (Painting, Illustration & Printmaking) students will further develop their understanding of two-dimensional arts techniques as they explore complex concepts and themes. Students will refine their personal style through the application of the elements and principles and demonstrate their ability to communicate their artistic intent through a range of mediums including charcoal, acrylic, watercolour and pastel. This course is designed to prepare students for the Year 11/12 Visual Arts course. Students will develop the critical thinking, technical skills, and artistic maturity required to excel at a higher level.

VISUAL ARTS 3D – (CERAMICS & SCULPTURES) YEAR 10

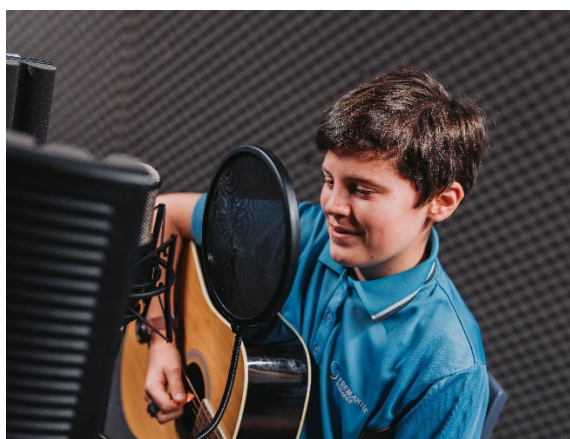
In Year 10 Visual Arts 3D (Ceramics & Sculpture) students will refine their understanding of three-dimensional form and explore more complex concepts and processes. Students will be required to use strategy and design to work through the limitations of working in three-dimensional mediums. This course is designed to prepare students for the Year 11/12 Visual Arts course. Students will develop the technical proficiency, conceptual depth, and artistic maturity required to excel at a higher level.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024. Basic materials will be provided to students as part of the voluntary contribution to complete this course. Students can elect to purchase additional materials for their particular projects themselves.

MUSIC - YEAR 9 AND YEAR 10

Over the course of the Music (General) program, students are introduced to the elements and concepts of music through learning musical instruments and playing songs as part of a band. Students use the Calvert Music Centre's state of the art Music Technology Lab to learn about recording and sequencing. As students' progress through the program and skills are acquired, they start to learn to compose and record their own music.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.



LEARNING AREA: HASS

DEBATING AND MOCK LAW (FULL YEAR) – YEAR 9

Reasoning, research and even public speaking skills are just some of the positives behind learning how to be a great debater and being part of Mock Trials. Debating, instead of arguing, can help you defuse a rapidly escalating situation. Rather than raising your voice, take a step back and choose your words wisely. Debating helps you to develop essential critical thinking skills – the ability to make reasoned and well thought out arguments in addition to questioning the evidence behind a particular stance or conclusion. Critical thinking will help you become curious about new ideas while also retaining a level of scepticism and building a healthy attitude to questioning. Students will move on to preparing to participate in mock trials in Semester 2 and will participate in the WA Debating League, Fremantle Debating League and other invitational competitions.

The cost for this course attracted a Voluntary Contribution of \$36.00 per Year in 2024.

MOCK TRIALS AND DEBATE (FULL YEAR) - YEAR 10



Students will be taught skills that will prepare them for simulated court cases in which teams contest legal matters presented in the Western Australian court system. Their participation in the Mock Trial Competitions will provide students with an opportunity to learn valuable skills in research and in the development and presentation of a persuasive argument. Students will be participating in various Mock Trial and Debating competitions and may receive SCSA credits.

The cost for this course attracted a Voluntary Contribution of \$36.00 per Year in 2024.

FUTURES/CAREER EXPLORATIONS (ONE SEMESTER) – YEAR 9

Futures is about taking the necessary steps into your future to plan for and experience a range of different career options both physically and virtually. Students will complete an accredited course in Early Career Discovery, have first options to attend all Career Taster excursions and be exposed to, explore and experience hundreds of different jobs. This subject is for students who want to explore the diverse options available to them post school, including university studies, TAFE or work taking the first steps necessary on the path to success.



The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

LEARNING AREA: HEALTH AND PHYSICAL EDUCATION

HEALTH & PHYSICAL EDUCATION (HPE) YEAR 9 and 10

Students identify attitudes and values for a healthy, active lifestyle and demonstrate values consistent with the prevention of ill-health, the acceptance of personal responsibility for their health and physical activity levels, respect for social justice principles and a commitment to personal achievement. The Health & Physical Education curriculum provides opportunities for students to develop, enhance and exhibit attitudes and values that promote a healthy lifestyle.

Students will be assessed on skills, game play, learning through movement (eg. leadership) and understanding movement (eg. muscles of the body). This will be developed through sports such as tennis, volleyball, badminton, AFL, netball, basketball, athletics, swimming and other team sports.

The cost for this course attracted a Voluntary Contribution of \$11.00 per Semester in 2024.

The cost for Health Education attracted a Voluntary Contribution of \$5.00 per Year 2024

BEACH VOLLEYBALL YEAR 9 and 10

Fremantle College is providing an excellent opportunity for students to be part of the Beach Volleyball program. Beach Volleyball students will set high standards as future leaders in the sport and recreation community. Students will represent the school in professional and social competitions, whilst working towards referee and coaching accreditations.



Beach Volleyball students develop their skills for higher level participation. Concurrently with their physical education program, they receive special tuition in beach volleyball during and after normal school hours and have the opportunity to compete in several competitions, including the annual Volleyball WA School's Cup, the School Sports WA Volleyball Competition and Beach Volleyball School's Cup.

As the students' journey through the program continues into senior school, they will enjoy the opportunity to study and gain their Certificate II in Sport and Recreation in Years 11 and 12, where their beach volleyball experiences can contribute to their studies.

The cost for his elective attracted a Compulsory Charge of \$60.00 per Semester to cover cost of transport, entry fees and sports equipment in 2024.

FITNESS FOR FUN - YEAR 9 AND YEAR 10

Students will focus on learning skills that they can transfer to outdoor recreation activities in their own time. Students will focus on fitness and fun in this unit and activities would be dependent on student ability and staff qualifications. They may include tennis, fitness work, archery, bocce, golf, soccer, ten pin bowling and water sports.

Pre-requisite – MUST be a competent swimmer.

The cost for his elective attracted a Compulsory Charge of \$50.00 per Semester to cover cost of transport, entry fees and sports equipment in 2024.

OUTDOOR EDUCATION - YEAR 9

Through interaction with the natural world, Outdoor Education aims to develop an understanding of our relationships with the environment, others, and ourselves. The Outdoor Education General course focuses on outdoor activities in a range of environments, including challenge and adventure activities, camp craft and water-based activities.

It provides students with an opportunity to develop essential life skills and physical activity skills, and an opportunity to develop a comprehensive understanding of the environment and develop a positive relationship with nature. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests and careers in outdoor pursuits, environmental management, or eco-tourism.



Pre-requisite – MUST be a competent swimmer Level 8 swimming accreditation or equal to swim 200m non-stop and tread water for 5 minutes

The cost for his elective attracted a Compulsory Charge of \$80.00 per Semester to cover cost of transport, entry fees and sports equipment in 2024.

OUTDOOR EDUCATION - YEAR 10

Students will engage in several outside activities to increase their knowledge of their environment and nature in supporting a safe environment for all. Students will cover activities such as roping, compass work, challenge and adventure activities, camp craft and water-based activities. Students may also do canoeing and fishing as extra activities.

Pre-requisite – MUST be a competent swimmer Level 8 swimming accreditation or equal to swim 200m non stop and tread water for 5 minutes.

The cost for this elective attracted a Compulsory Charge of \$80.00 per Semester to cover cost of transport, entry fees and sports equipment in 2024.



SPORT SCIENCE YEAR 10

The Year 10 Sports Science elective is designed as an introductory course for upper school Physical Education Studies. This course will cover the following topics: Skeletal System, Muscular System, Cardiovascular System, Respiratory System, Methods of Training and Coaching Junior Sport. Students will participate in various sports across the semester as part of the practical aspect.

The course program delivery and assessments are made up of 50% theory and 50% practical.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

LEARNING AREA: SCIENCE

FORENSIC SCIENCE - YEAR 9

Forensic Science is about producing scientists with understandings in applying classroom sciences to the real world of understanding crime scenes and investigations. With weekly practical lessons, experiments and open-ended tasks: you will gain a solid understanding of forensic science, including methods of forensic analysis, crime scene investigation, forensic photography, forensic investigation, crime and criminal justice, e-learning and past (and present) complex cases.

The cost for this course attracted a Compulsory Contribution of \$30.00 per Year in 2024.

MARINE SCIENCE – YEAR 9 (one semester, available to choose for All students)

Year 9 marks an exciting milestone as students embark on a marine elective. They will have the opportunity to delve deeper into marine science with a focus on Biology, Chemistry, and Physics. Topics will include ocean acidification and its impact on marine ecosystems, ocean currents like the Leeuwin current in a Western Australian context, and the diversity of marine life along the West Australian coast. Additionally, students will engage in practical skills, such as underwater surveys and engineering portable devices to observe and measure fish assemblages and the importance of artificial reefs.

The cost for this course attracted a Compulsory Charge of \$50.00 per Semester in 2024.

LEARNING AREA: TECHNOLOGIES

DIGITAL TECHNOLOGIES - YEAR 9

Digital systems are everywhere, mobile and desktop devices and networks are transforming learning, recreational activities, home life and work. Digital systems support new ways of collaborating and communicating and require new skills such as computational and systems thinking. Technologies are an essential problem-solving toolset in our knowledge-based society.

Year 9 Digital Technologies provides students with practical opportunities to use design thinking and to be innovative developers of digital solutions. It enables students to become innovative creators of digital solutions, effective users of digital systems and critical consumers of information conveyed by digital systems. Work within Year 9 Digital Technology gives students the opportunity to:

- Confidently use digital systems to transform data efficiently and effectively into information and to creatively communicate ideas in a range of settings.
- Understand the impact of information systems on individuals, societies, economies, and environments.
- Investigate, design, plan, manage, create, and evaluate digital solutions.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

DIGITAL TECHNOLOGIES - YEAR 10

In Year 10, learning in Digital Technologies focuses on further developing understanding and skills in computational thinking, such as precisely and accurately describing problems. It also focuses on engaging students with specialised learning in preparation for vocational training or learning in the senior secondary years. Students have opportunities to analyse problems and design, implement and evaluate a range of solutions, such as database-driven websites, artificial intelligence engines and simulations.

Digital Technologies provides students with practical knowledge to use design thinking and to be innovative developers of digital solutions. This course enables students to become innovative creators of digital solutions, effective users of digital systems and critical consumers of information conveyed by digital systems. Students have opportunities to become more skilled at identifying the steps involved in planning solutions and developing detailed plans that are mindful of risks and sustainability requirements. When creating solutions individually, collaboratively and interactively for sharing in online environments, students should comply with legal obligations, particularly with respect to the ownership of information.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

GAME DESIGN– YEAR 9

This hands-on program is tailored for students who are passionate about both gaming and technology. Throughout this course, students will delve into the technical challenges of game development, learning the fundamental principles of coding, design aesthetics, and interactive storytelling.

Through a blend of skills activities, and project-based learning, students will acquire an introductory understanding of game mechanics, sprite design, level creation, and sound integration. By the end of the semester, students will have not only crafted their own original video games but also honed critical skills such as problem-solving and computational thinking. Whether you're a gaming enthusiast eager to turn your passion into a creative outlet or a tech-savvy student aspiring to explore the dynamic world of software development, our Digital Game Design course provides the perfect platform to unleash your imagination and pave the way for a future in this ever-evolving field.

The cost for this course attracted a Compulsory Charge of \$30 per Semester in 2024.

MATERIALS TECHNOLOGIES

Materials Technology (wood, metals, and engineering) actively engages students in creating quality designed solutions for identified needs and opportunities across a range of technologies contexts. At Fremantle College students work within the wood, metals, and advanced materials contexts, with a developing focus in design and engineering.

Through Materials Technologies students manage projects independently and collaboratively from conception to realisation. They apply design and systems thinking and design processes to investigate, generate and refine ideas, plan, produce and evaluate projects. They develop a sense of pride, satisfaction, and enjoyment from their ability to make things.

Students consider the economic, environmental, and social impacts of technological change and how the choice and use of materials contributes to a sustainable future.

Our course is intended to provide students with the time and resources to experience work with materials across their college career. The intent is to give students a “taste” of materials works in years 7-8, help them to explore a deeper understanding of wood, metals and other contexts in years 9-10 before potentially entering a Certificate pathway in upper school. The working environment provides authentic experience to students and exposes them to the types of courses offered in the future as well as knowledge of the professions which work with materials.

MATERIALS TECHNOLOGIES - YEAR 9 WOODWORK

In Year 9 students are given the opportunity to make a range of interesting projects that build on skills introduced in Year 7 and Year 8 Materials Technology. They are shown how the design process is applied to woodworking and how tools and machinery are used to turn raw materials into finished objects.

Students will learn how to safely use workshop equipment such as woodworking lathes, electric drills, jigsaws, finishing machines and electric sanders. This course has a strong focus on design, safety and the sense of pride that comes from making a range of attractive and useful projects.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

MATERIALS TECHNOLOGIES - YEAR 10 WOODWORK

This unit is designed to extend the student's abilities, knowledge and understanding of common materials and processes through practical projects in timber design. Students explore specialised skills that will support the study of Materials Technology: Wood in senior school. Working from design briefs, the course promotes problem solving, generating ideas, creative design strategies and communication skills through a selection of design and practical activities.



The safe and appropriate use of handheld tools, equipment and machinery is an ongoing area of focus in this unit. The working environment provides an authentic experience for students and exposes them to the types of courses offered in the future as well as knowledge of the professions which work with materials.

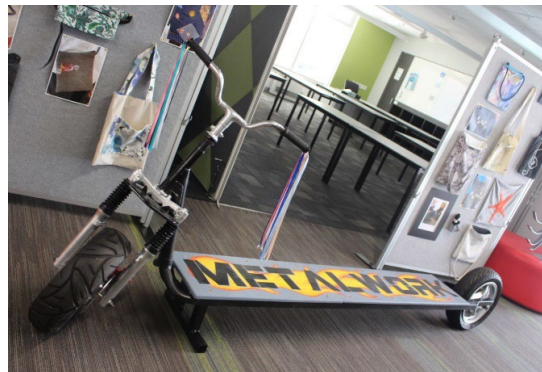
The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

MATERIALS TECHNOLOGIES - YEAR 9 AND YEAR 10 METALWORK

Within Materials Technology (Metals) students learn how to use metal and related materials to build practical projects. They are shown how the design process is applied to metalwork and how tools and machinery are used to turn these raw materials into finished objects. Students develop a sense of pride, satisfaction, and enjoyment from their ability to make things.

The Materials: Metals pathway is designed to give students a “taste” of a variety of materials work to help them to explore specialised skills in metals during years 9-10 before potentially entering general metal work or Certificate II study in upper school. The difference between year 9 and year 10 is the level of complexity within given tasks but the skill base is the same.

The working environment provides an authentic experience for students and exposes them to the types of courses offered in the future as well as knowledge of the professions which work with materials.



The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024.

INTRODUCTORY ENGINEERING - YEAR 9 AND YEAR 10

Engineering is a practical course where students undertake projects which apply engineering to real-world problems. Through topics such as electronics; mechanics and the use of force; aerodynamics and computer-aided design, students learn how engineering shapes our world and how it is used to make our lives easier and safer.



Engineering projects begin by examining a real-life problem that requires students to develop a solution either individually or in small groups. Before developing their solution, students practice key skills and research the required engineering principles that will be used in the project. After investigating existing solutions, students then design, build and test working prototypes.

Students studying engineering have participated in competitions such as the REA Subs in Schools, Aurecon Bridge Building Competition and Engineering Australia F1 in Schools.

The cost for this course attracted a Compulsory Charge of \$50.00 per Semester in 2024.

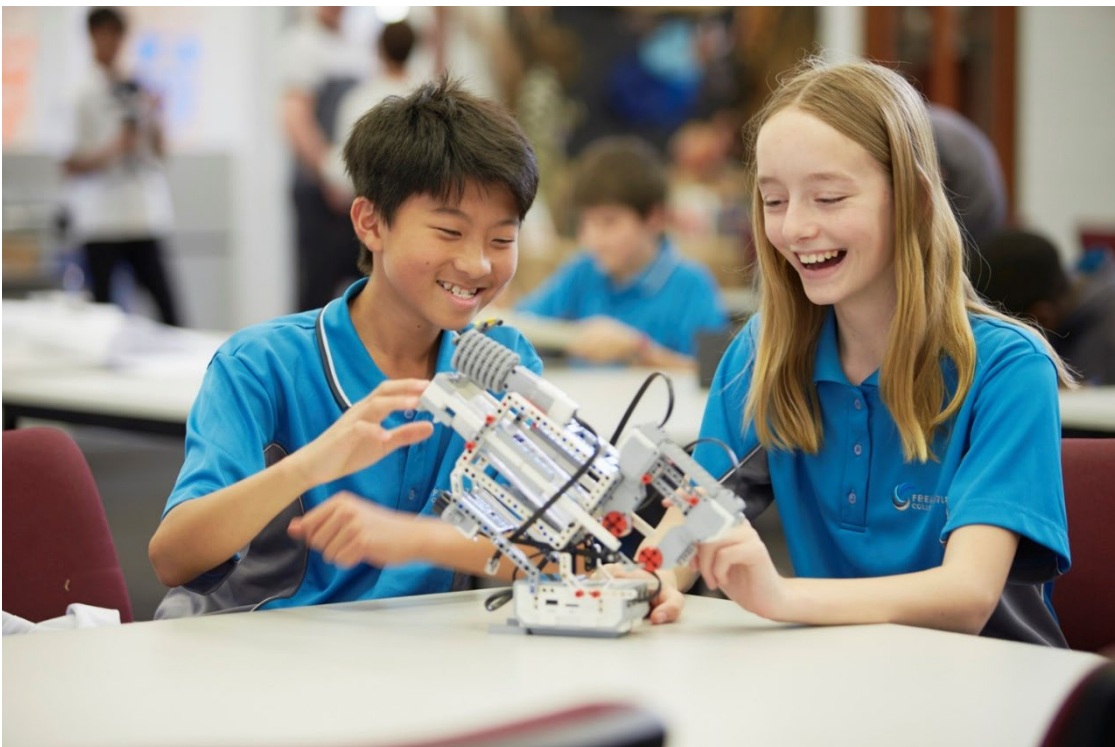
MECHATRONICS - YEAR 9 AND YEAR 10

Mechatronics is the study of automated mechanical systems and robotics. Students selecting this elective at Fremantle College learn how to design, build, and test robots and other electronically controlled systems. Using controllers such as Lego EV3, Micro: Bit, Arduino, and Raspberry Pi as the brains of a fully-functional and intelligent device, students explore what robots are, how telepresence and automated control work and what artificial intelligence is.

Students learn the engineering concepts which apply to mechatronics and use digital technology to program and control their work.

Students studying mechatronics have participated in competitions such as the Jaguar 4x4 in Schools Technology Challenge and the First Robotics Challenge.

The cost for this course attracted a Compulsory Charge of \$50.00 per Semester in 2024 to cover cost of resources.



LEARNING AREA: TECHNOLOGIES

FOOD AND TEXTILES TECHNOLOGIES

INTERNATIONAL FOODS - YEAR 9

Students are given the opportunity to develop more in-depth knowledge and skills in preparing exciting Australian and multi-cultural dishes from around the world.

They complete an interesting unit that focuses on cookery from Australia, the Asian continent, Italy, France, America, and Mexico. Students have the opportunity to use technology processes to research, develop and produce a recipe from a chosen country using the skills they have developed throughout the course.

Students are also introduced to principles and practices of design required to manufacture food products. This includes food processing, production, packaging, and labelling, which culminates in production of a dish using a convenience food product.

The cost for this course attracted a Compulsory Charge of \$50.00 per Semester in 2024 to cover cost of resources.



CAFÉ CULTURE - YEAR 10

A useful course before Year 11 Certificate II in Hospitality or Year 11 General Food Science Technology.

The Year 10 Cafe Culture course gives students an insight into Cafe life, and how a Cafe operates. Students will enhance their food preparation skills, by producing a range of food and drinks generally served in a Cafe as well as 'on trend foods'.

Students will experience all aspects of meals and menus from entrees to desserts, while developing a meal suitable for serving others. Opportunities throughout the semester will be given to students to develop their research and design skills, while completing different assessment tasks which include both written and practical components.

The cost for this course attracted a Compulsory Charge of \$60.00 per Semester in 2024 to cover cost of resources.

TEXTILES TECHNOLOGY - YEAR 9

In this course, students build upon the basic sewing skills learnt in the previous years, as they make choices about design and be creative with the textiles items they produce.

Sustainability is an important factor in this course where students learn about the importance of upcycling and repurposing pre-owned textiles items. Students are encouraged to use technology when selecting and applying practical skills, techniques, tools, and materials to create design solutions. They also design and make boxer shorts as they develop their skills in this area of study.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024. Basic materials will be provided to students as part of the voluntary contribution to complete this course. Students can elect to purchase additional materials for their particular projects themselves.



FASHION AND TEXTILES TECHNOLOGY - YEAR 10

Fashion and Textiles Technology offers students the opportunity to complete a wide variety of practical tasks while working with a range of materials. Students have the opportunity to continue to develop skills in design concepts and apply them to a range of practical activities including a textiles bag and an item of clothing.

A high personal standard is expected in the production of craft and clothing items either for themselves or for others.

Students are encouraged to use technology and experiment with smart fabrics when selecting and applying practical skills, techniques, tools, and materials to create design solutions.

The cost for this course attracted a Voluntary Contribution of \$18.00 per Semester in 2024. Basic materials will be provided to students as part of the voluntary contribution to complete this course. Students can elect to purchase additional materials for their particular projects themselves.

LEARNING AREA: LANGUAGES

ITALIAN - YEAR 9

The Year 9 Italian course is a year-long course that builds on the skills, knowledge and understanding in Italian developed in Years 7 and 8 and focuses on extending students' oral and written communication skills and their understandings of Italian language and culture.

In year 9, students develop the skills to discuss and compare events of significance in the lives of young people, including holidays, special events and travel. Learners engage in individual and collaborative tasks that involve exchanging information, making arrangements or obtaining goods or services.

They will expand their use of grammar in the present tense, as well as beginning to communicate using both the 'present perfect' and 'imperfect' past tenses.

The cost for this course attracted a Voluntary Contribution of \$36.00 per Year in 2024

ITALIAN - YEAR 10

The Year 10 Italian course is a year-long course that builds on the skills, knowledge and understanding developed in Years 7,8 and 9 Italian and focuses on extending students' oral and written communication skills and their understandings of Italian language and culture.

Students will build on their confidence using the 'passato prossimo' and 'imperfetto' past tenses, and will learn to talk about the future, using 'il futuro', and opinions, hopes and wishes using 'il condizionale' and 'il congiuntivo'.

Students will continue to develop their written and spoken skills in engaging contexts, such as technology and politics, as well as implementing their skills in real-world situations.

This course can lead to Language course options in Year 11 and 12.

This is a new course offered in 2025. The cost for this course will most likely attracted a Voluntary Contribution of \$30.00 per Year in 2025.