



MILLER TECHNOLOGY HIGH SCHOOL

Elective Subject Selection Information Booklet

YEARS 9 & 10 (2023-2024)



STUDENT NAME:

CONTENTS

CONTENTS

CREATIVE and PERFORMING ARTS (CAPA)

MUSIC

VISUAL ARTS

TECHNOLOGICAL and APPLIED STUDIES (TAS)

FOOD TECHNOLOGY

INDUSTRIAL TECHNOLOGY - METAL

INFORMATION SOFTWARE and TECHNOLOGY

INDUSTRIAL TECHNOLOGY – TIMBER

PDHPE

PHYSICAL ACTIVITY and SPORTS STUDIES

HUMAN SOCIETY and ITS ENVIRONMENT

COMMERCE

ELECTIVE HISTORY

STAGE 5 VET

VOCATIONAL EDUCATION and TRAINING COURSES

CREATIVE and PERFORMING ARTS (CAPA)

MUSIC

In Years 9-10 Elective Music, students will:

Learn to play instruments such as electric keyboard, lead guitar, Bass guitar and drum kit.

Develop their singing voices and sing for enjoyment.

Listen to and perform a wide range of music (including contemporary) to music from the various cultures represented in each group.

Use computer programs to learn to read music, to write songs and to learn some of the techniques currently used in professional recording studios (e.g. MIDI, multi-track recording, etc.).

Music at Miller Technology High School aims to give students the widest possible experience in playing, singing, listening to and creating music. The emphasis is on the development of practical skills and the fostering of an enjoyment of music.



VISUAL ARTS

Students in Years 9-10 develop their skills in making and studying artworks through a wide range of topics and themes.

Students have the opportunity to extend basic skills through a more intensive study of:

- painting
- drawing
- sculpture
- printmaking
- ceramics
- fibre
- photography
- film/animation
- video

Students produce one major work each semester in a variety of different topics. Students also study how other artists have worked with the materials and techniques of art and this knowledge helps students to improve their own creative work.



TECHNOLOGICAL and APPLIED STUDIES (TAS)

FOOD TECHNOLOGY

In the Food Technology course, students will study the domestic, commercial and industrial applications of food technologies and food preparation. It involves students investigating foods through practical 'hands on' applications such as food preparation and presentation. Students will gain knowledge in processes such as designing, researching, preparing, communicating and managing. It provides opportunities for students to evaluate the impact of food technologies on the individual, society and the environment. Students studying this course will study topics such as:

Year 9

Food for Specific Needs

Food Selection & Health

Food in Australia

Food for Special Occasions

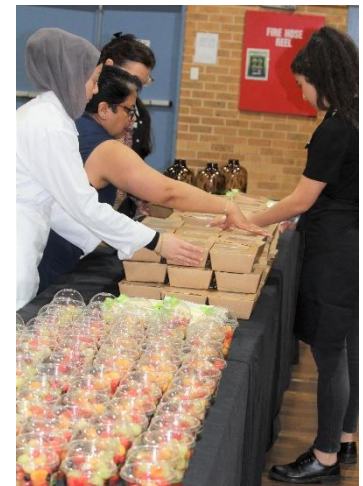
Year 10

Food Trends

Food Products Development

Food and Catering

Students must wear covered leather shoes and supply their own container for food for the practical lessons.



INDUSTRIAL TECHNOLOGY - METAL

General Metal, Metal Machining and Metal Fabrication work.

- This course serves as an introduction to basic skills in the metal industry.
- Students will actively participate in manufacturing a range of products which are metal material based.
- This course revolves around a practical approach to student centred learning.
- Design and planning procedures will be developed enabling students to specialise in an area of study within Metal Machining, Metal Fabrication and General Metal.
- Students who have exhibited a sound understanding of their specialised areas will be permitted to undertake a personalised major project.

Equipment

Approved safe leather shoes (under no circumstances are joggers, gym boots, basketball shoes or leisure wear permitted) together with a cloth apron that must be worn at all times. All other safety equipment will be provided.

This materials contribution covers sheet metal, tubing, solid bar, Welding supplies, finishes etc.

Students are responsible for the cost of personal assignment materials.



INFORMATION SOFTWARE and TECHNOLOGY

People can expect to work and live-in environments requiring highly developed levels of computing and technological literacy. Our future generations will need to be flexible to accommodate changes as they emerge. The study of Information and Software Technology (IST) assists students to develop the knowledge, understanding and skills required to solve problems in real life contexts. Creative and critical thinking skills are developed through students' practical involvement in projects. Projects can be individual or collaborative (group).

The core content of the IST course provides students with knowledge of past and emerging technologies, hardware, software and people involved in the computer industry, while also covering legal, social and ethical issues. The option topics provide for the core work to be taught within a context. Some of these contexts are:

- Digital Media
- The Internet and Website Development
- Authoring and Multimedia
- Networking Systems
- Database Design
- Software Development and Programming

As a result of studying this course, students will be equipped to make appropriate use of and informed choices about information and software technology both at a personal level and in the workplace. Students will be prepared for future developments and directions in the exciting and challenging field of IST.



INDUSTRIAL TECHNOLOGY – TIMBER

General Wood, Wood Machining and Cabinet-Work.

- This course serves as an introduction to basic skills in the wood industry.
- Students will actively participate in manufacturing a range of products which are wood material based.
- This course revolves around a practical approach to student centred learning.
- Design and planning procedures will be developed enabling students to specialise in an area of study within Wood Machining, Cabinet-work and General Wood.
- Students who have exhibited a sound understanding of their specialised areas will be permitted to undertake a personalised major project.

Equipment

Approved safe leather shoes (under no circumstances are joggers, gym boots, basketball shoes or leisure wear permitted) together with a cloth apron that must be worn at all times. All other safety equipment will be provided.

This materials contribution covers glues, nails, screws, lacquer, garnet paper.

While students are responsible for the cost of personal assignment materials, financial support is available.



PDHPE

PHYSICAL ACTIVITY and SPORTS STUDIES

The course will aim to develop students to perform an active and effective role within a changing society by extending aspects of Physical Education, Health Education and Sport.

It will include both practical and theory components:

In Year 9, the following units will be studied:

- Fundamentals of Movement Skill Development
- Nutrition and Physical Fitness
- Physical Activity & Sports for Specific Groups
- Coaching

In Year 10 the following will also be studied:

- Body Systems
- Extreme Challenge/Coaching
- Issues in Sport

In Year 10 our units of work run longer than a term, so we only complete three as opposed to four units in Year 9.

There will be numerous outdoor education experiences, including camps, offered as part of the PASS course. **Subject contributions will be advised depending on excursions undertaken.**



HUMAN SOCIETY and ITS ENVIRONMENT

COMMERCE

The study of Commerce allows students to confidently participate in a changing commercial environment.

The Year 9 and Year 10 Commerce courses include four (4) core topics:

- Consumer choice
- Personal finance
- Law and Society
- Employment issues

In addition, students will investigate a minimum of five (5) interesting options from the following list.

- Promoting and selling
- Travel
- Investing
- Law and action
- Running a business
- E-Commerce

During their study of the core topics and options students will undertake **FIELD INVESTIGATIONS** to places such as:

- The **Stock Exchange**.
- Commercial shopping centres such as **WESTFIELDS PARRAMATTA**.
- The **LOCAL and DISTRICT courts**.
- **Luna Park**.

The Year 9 and Year 10 Commerce courses provide an excellent basis for students who are interested in studying subjects such as Business Studies, Legal Studies and Business Services in the senior school. Important computer skills will also be addressed as students will learn to develop important business documents including spreadsheets, data bases and meeting agendas.



ELECTIVE HISTORY

Elective History is a Year 9 and 10 course that provides an opportunity for students interested in History to both pursue further study of the subject and develop valuable skills. The subject operates alongside the Mandatory History course. The Year 9 and 10 Elective History course will cover areas such as:

- Film in history such as **Percy Jackson Films**
- **Historical fiction** (anime, comics and novels)
- **Historical reconstructions** (armour and paintings)
- **Ancient Greece and Rome**
- **Vikings and the Medieval World**
- **Historical heroes and villains**
- **Myths and legends** (Greek and Viking gods and monsters).

Elective History directly supports the further study of Ancient History, Modern History and Extension History in the HSC. However, the skills it teaches are essential to success in a wide range of HSC courses, and also provide a firm foundation for further study in all areas at a **university level**. These skills include:

- Critical thinking and analysis
- Developing effective and persuasive arguments
- Locating, selecting and understanding information
- Structured and sophisticated writing

Throughout the study of these topics and skills, students will have the opportunity to investigate History both academically and practically, with activities such as:

- A range of **excursions** to historic sites, museums, and events
- Learning and playing historical **sports and games**
- Hands-on **archaeology**
- Investigate the ways that **films and fiction** represent History
- **Reconstruct and test** historical weapons and armour
- Creating historical **films and performances**
- Experimenting with **art, clothing, and storytelling** from historical cultures.



STAGE 5 VET

VOCATIONAL EDUCATION and TRAINING COURSES



Vocational Education and Training (VET) Courses

Vocational Education and Training (VET) courses are offered as part of the Higher School Certificate (HSC) or Record of School Achievement (RoSA). VET courses are designed to deliver workplace-specific skills and knowledge and cover a wide range of careers and industries. VET courses for secondary students are developed by NSW Educational Standards Authority (NESA) and are based on national training packages.

VET courses allow students to gain both HSC or RoSA qualifications and a national qualification or a statement of attainment recognised throughout Australia as part of the Australian Qualification Framework (AQF). These qualifications are widely recognised by industry, employers and tertiary training providers and universities and will assist students to progress to various education and training sectors and employment.

Public Schools NSW, Ultimo is accredited as a Registered Training Organisation (RTO 90072) to deliver and assess VET qualifications to secondary students.

It is mandatory for all students studying a VET course to create a Unique Student Identifier (USI) upon enrolment. Students will require a form of identification for the creation of the USI. Examples include a Medicare Card, Australian Birth Certificate, Driver's License or a valid Passport.

Assessment in all VET courses is competency based. The student is assessed on what they can do (the skills) and what they know (the knowledge) that will equip them in the workplace. Students are either deemed "competent" or "not yet competent" by the teacher. Students who have successfully achieved competency will have the skills and knowledge to complete workplace activities in a range of different situations and environments, to an industry standard of performance expected in the workplace.

Competency-based assessment materials are designed to ensure each learner has achieved all the outcomes (skills and knowledge) to the level of the qualification. Competency-based training is based on performance standards that have been set by industry. Students will receive documentation showing any competencies achieved for the VET course undertaken.

Students in Years 9 and 10 (Stage 5) may access VET courses through two curriculum pathways:

- Stage 5 VET Board Endorsed courses
- Early commencement of [Stage 6 VET courses](#).

All Stage 5 VET Board Endorsed Courses contribute 100 hours to the student's pattern of study.

Work placement is not compulsory for these courses.

Students in Years 9 - 12 have the option of studying VET courses either at school, or through external, accredited training providers such as TAFE NSW. VET courses delivered by an external RTO/training provider to school students are known as EVET courses. Several small training providers also deliver VET training to school students.

VET courses can assist students to plan their career pathway and:

- gain practical, work-related skills to enhance employment opportunities.
- complete units that count towards school qualifications such as RoSA and HSC.
- start or complete a nationally recognised qualification while still at school.

VET assessment is competency based and students must completely satisfy all assessment requirements and be deemed competent by a qualified trainer in order to satisfy qualification requirements. Students successfully completing a VET course and achieving a Statement of Attainment may be eligible to apply for credit transfer in other courses in a similar industry after leaving school by providing their transcript to the relevant tertiary institution. All students studying a VET course must obtain a Unique Student Identifier (USI) and provide this to the training provider at the commencement of the course.

Categories of EVET courses

Board Developed Industry Curriculum Framework (ICF) Courses include Automotive, Business Services, Construction, Electrotechnology, Entertainment Industry, Financial Services, Hospitality, Information Technology, Human Services, Primary Industries, Retail Services and Tourism, Travel & Events. These courses are **Category B courses**, they mostly count for 4 units of HSC credit, include 70 hours of mandatory work placement, and have an optional HSC examination. Only one Category B course can be included in the calculation of the Australian Tertiary Admission Rank (ATAR).

Board Endorsed Courses (BECs) are courses based on national industry Training Packages that are endorsed by NSW Education Standards Authority (NESA) for inclusion as an elective in Year 9 or 10 or in the Higher School Certificate. These courses include Animal Studies, Beauty Therapy, Fashion Design Hairdressing, Laboratory Skills, Plumbing, Sport and Recreation and Warehousing. Stage 6 BECs mostly count for 4 units of HSC credit, they do not count towards the ATAR and there is not a HSC exam. Stage 6 BECs may also be studied by Year 10 students as Early Commencement of Stage 6. Students in Year 9 and 10 who enroll in a Stage 6 BEC course must satisfy all RoSA requirements. Stage 5 BECs are 100 hours duration and are only available to students currently enrolled in Year 9 or in Year 10.

Delivery patterns of EVET courses

Students should investigate the delivery pattern of the EVET courses they are interested in so they are aware of what the commitment will be and also to understand how the EVET course will fit in with the total pattern of study. There are several options for the delivery of EVET courses for example, 120 hours, 2 units x 1-year courses; 180 hours, 3 units x 1 year courses; and 240 hours, 4 unit courses which can be offered over one or two years. A small number of EVET ICF courses also offer specialisation units to complement 240-hour courses. Students who successfully complete all units may be eligible for a full Certificate qualification, rather than a Statement of Attainment.

Specific Requirements of EVET courses

It is important that students understand that enrolment in EVET courses requires a commitment to satisfactory completion. The specific requirements for EVET courses include the following:

- **NESA requirements** for completion of course work. If a student does not satisfactorily complete course work, they may be given an “N” Determination for the course or, they may be withdrawn from the course. External RTOs will monitor attendance and send regular reports to the student’s home school.

- **Student Commitment** – Once a student starts a course, they will be expected to commit to completing it as there is significant cost involved for the NSW Department of Education. Students will not be permitted to change to another EVET course. Students who miss class work at school because of EVET course enrolments (including work placement) are responsible for following up with their teachers and catching up on missed work.
- **Travel** – Students studying EVET courses are responsible for organising their own transport to the study venue and also for making their way home at the conclusion of the class. Students are responsible for paying travel costs. Students will need to complete and submit an early leave application available from their Careers Advisor. Students will be issued with an early leave pass that should be shown when required. Students doing EVET courses may be given compensatory study periods during the week.
- **Proposed timetabling** – students should carefully check details to see when the EVET course will be delivered. EVET courses are conducted on different days of the week with many classes commencing at 1:30pm and ending at 5:30pm. For some courses, “block” attendance during term and/or school holidays may be necessary.
- **Online courses** require students to be able to work independently, have access to digital technology and to manage their time effectively to ensure they keep up with all work requirements.
- **Mandatory Work Placement applies to many EVET courses** and gives students the chance to learn new skills and apply the skills they learn from doing the course. It also helps students to:
 - gain insights into the kind of career that they would like to have.
 - make informed decisions about further training and study.
 - become more employable.
 - be better equipped for business and employment opportunities.

Failure to complete mandatory work placement could jeopardise the students' satisfactory completion of the Preliminary or HSC units and could put their HSC at risk.

EVET 2023 Application Process

1. **Research:** Students interested in applying for an EVET course should research the course which interests them to learn about course content and possible career paths. Detailed information sheets are available for all courses listed on the EVET

portal from your Careers Adviser. Additionally, some providers also send EVET course information to schools so students should ask Careers Advisers about this.

2. **Submit:** Students complete a detailed **Expression of Interest (EOI)** form (available from the Careers Adviser). Parents or guardians are required to sign the EOI to indicate their awareness of course requirements, as well as the level of commitment required by students. All students will need their ERN and NESA number to complete this form.
3. **Interview:** Some schools will require students to participate in an interview to discuss the reasons for applying for the course. Students will be expected to explain why enrolling in the course is important to future career planning and demonstrate a commitment to successfully completing the course. Parents may be asked to participate in these interviews. Where applicable, students may also need to participate in mandatory interviews and application processes as required by an RTO. Failure to participate in these processes will mean that the application will not be considered.
4. **Apply:** The closing date for 2023 EVET applications will be late in Term 3 (the exact date is yet to be finalised) Offers will be made from early November.

Expressing an interest in an EVET course does not guarantee that a student will be made an offer, nor that the course will be delivered in 2023. Some courses are very popular, and the number of applications exceeds available places. Occasionally, there may not be enough applications to form a class for some courses and the class will be cancelled.

EVET Providers

1. **NSW TAFE** is the largest provider of EVET course and the term 'TVET' refers to EVET programs delivered by TAFE NSW.

TAFE NSW delivers EVET courses at several locations which students in Sydney may be able to access including:

- **TAFE NSW Sydney Region** - Enmore, Gymea, Loftus, Meadowbank, Petersham, Randwick, St George, St Leonards and Ultimo TAFE colleges.

- **TAFE NSW Western Sydney Region** - Bankstown, Campbelltown, Granville, Lidcombe, Ingleburn (MBISC), Liverpool, Macquarie Fields, Miller, Padstow, Wetherill Park, Blacktown, Kingswood, Nepean and Nirimba TAFE colleges.
- **TAFE Illawarra Region** - Moss Vale, Wollongong, and Goulburn TAFE Colleges.
- **TAFE Digital** offers a large number of online EVET courses each year

2. **Private RTOs** - other RTOs which deliver EVET courses include:

- **Whitehouse Institute Pty Ltd** - offers design fundamentals courses. This RTO is located in central Sydney and courses are delivered during school holiday periods.
- **NSW Health RTO**- offers Human Services nursing courses at several locations including Bankstown, Campbelltown, Concord, Fairfield, Liverpool, Rozelle and Bowral.
- **Taronga Institute RTO** - offers animal studies courses at Taronga Zoo, Mosman.
- **UAVAIR** – delivers aviation remote pilot courses. Delivery locations vary each year.
- **Academy of Interactive Entertainment** – offers online creative industries courses both online and at a Sydney campus.
- **Australian Careers Business College** - offers courses such as financial services, business services and child studies. Course delivery may be online or at sites such as Liverpool, Parramatta, and Wollongong.

Students should speak to their Careers Adviser about the full list of courses that will be available in 2023.

**Course: Hospitality** (100 indicative hours)

Board Endorsed Course

This course is accredited for the Record of School Achievement (RoSA) and provides students with the opportunity to obtain nationally recognised vocational training.

**SIT10216 Certificate I in Hospitality
Based on Tourism, Travel and Hospitality Training
Package (Release 1.2)**

Units of Competency**Core**

SITXWHS001 Participate in safe work practices
SITXCCS001 Provide customer information and assistance
BSBWOR203 Work effectively with others

Electives

SITXFSA001 Use hygienic practices for food safety
TLIE1005 Carry out basic workplace calculations
SITHCCC003 Prepare and present sandwiches
SITHFAB005 Prepare and serve espresso coffee

Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.

Recommended Entry Requirements

Students selecting this course should be interested in working in a hospitality environment preparing and serving food and beverages to customers. They should be able to lift and carry equipment, use handheld and larger commercial kitchen equipment. Students may be required to participate in after-hours school events and functions. There will be out of class homework, research activities and assignments.

Pathways to Further Study

As part of the HSC, students may complete SIT20316 Certificate II in Hospitality or SIT20416 Certificate II in Kitchen Operations. School-based traineeships are also available in this field.

Project and work-based learning

This course is based on project-based learning where the students are involved in a number of projects, functions and activities around the school or during out of class hours. These could include group project work, individual research or other activities.

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Cost: No cost to students

Please see your VET teacher to enquire about financial assistance.

Exclusions - Nil

VET course exclusions for this course can be checked on the NESA website at

<http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/vet/vet-board-endorsed-courses/hospitality>

Course: **Retail** (100 indicative hours)

Board Endorsed Course

This course is accredited for the Record of School Achievement (RoSA) and provides students with the opportunity to obtain nationally recognised vocational training.

SIR10116 Certificate I in Retail Services

Based on SIR Retail Services Training Package (Release 7.0)

Units of Competency**Core**

SIRXCOM001	Communicate in the workplace to support team
	and customer outcomes
SIRXIND001	Work effectively in a service environment
SIRXWHS001	Work safely

Electives

SIRXIND002	Organise and maintain the store environment
SIRXIND004	Plan a career in the retail industry

Additional Unit for the RoSA

ICTICT103	Use, communicate and search securely on the internet
FSKDIG02	Use digital technology for simple workplace tasks

Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.

Recommended Entry Requirements

Students selecting this course should be interested in working in the retail service industry. They should be able to lift and carry stock items, have the ability to work as a member of a team, and have good communication skills. There will be out of class homework, research activities and assignments.

Example of occupations in the Retail Industry:

- | | |
|------------------------------|----------------------|
| ▪ buyer | ▪ sales person |
| ▪ customer service assistant | ▪ visual merchandise |
| ▪ stock controller | ▪ merchandise |

Pathways to Further Study

As part of the HSC, students may pursue a full or partial completion of a SIR30216 Certificate III in Retail Services. School-based traineeships are also available in this field

Project and work-based learning

This course is based on project-based learning where the students are involved in a number of projects, functions and activities around the school or during out of class hours. These could include group project work, individual research or other activities.

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Cost: No cost to students

Please see your VET teacher to enquire about financial assistance

Exclusions - Nil

VET course exclusions for this course can be checked on the NESA website at

<http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/vet/vet-board-endorsed-courses/retail>

