



Issue No. 4

Friday 24 March 2023

Welcome to this edition of the Careers Newsletter

Don't forget also to check out our PVCC Careers website for important information for students and parents. You can find our site at: <https://careers.pvcc.vic.edu.au>

Items in the *Career News* include –

- Dates to Diarise in Terms 1 and 2
- Studying the Bachelor of Laws at Swinburne
- Monash University – Specific Course events
- Women in Plumbing
- Information on Engineering and Engineers Australia
- University of Melbourne – Girl in Power in Engineering and IT programs
- Data Science and Information Systems courses in Victoria.
- Deakin University – Campus tours and School holiday events
- Studying the Bachelor of Applied Science (Medical Radiation) at RMIT.



Dates to Diarise in Term 1

- Year 10 – Students to finalise Work Experience placements – End of Term 1.
- ADF Gap Year – Applications open in March
- Year 12 UCAT applications – Registrations and Bookings open 1st March



Dates to Diarise in Term 2

- VCE and Careers Expo 2023 – Thursday 4 – Saturday 6 May
- Victorian Careers Show 2023 – Thursday 18 – Saturday 20 May
- Year 11/12 Vic Careers Show excursion – Friday 19th May
- Victorian Law Week 2023 – Monday 15 – Sunday 21 May
- Year 10 Work Experience week – Monday 19th June – Friday 23rd June

News from Monash University

➤ **Discover Monash**

Monash University will be hosting several [Discover Monash](#) events or activities over the coming weeks. Unless specified online**, these will be face-to-face events.

Participating in one or more of these events will assist students in making informed choices about their study options after Year 12.

The following events will take place in April and May and students are encouraged to register early. Register at [Discover Monash](#).

Information Evening – Peninsula Campus	Tuesday 4 April, 6.30 - 8.00pm
Clayton Campus Tour Experience	Wednesday 19 April, 10.00am
Clayton Campus Tour Experience	Wednesday 19 April, 2.00pm
Caulfield Campus Tour Experience	Thursday 20 April, 10.00am
Discover Business	Thursday 20 April, 11.45am
Peninsula Campus Tour Experience	Thursday 20 April, 2.00
Discover Architecture	Tuesday 9 May, 6.00pm
Discover Nursing & Midwifery**	Tuesday 9 May, 5.00pm
Discover Design	Wednesday 10 May, 6.00pm
Discover Biomedical Science and Nutrition Science**	Wednesday 10 May, 5.00pm
Discover Science: The Monash Science Experience	Thursday 11 May, 6.30pm
Discover The Bachelor of Arts	Thursday 11 May, 6.30pm
Discover Fine Art & Curating	Thursday 11 May, 6.00pm
Discover Radiation Sciences, Radiography Medical Imaging**	Tuesday 16 May, 5.00pm
Discover Psychology, Health Sciences and Public Health**	Wednesday 17 May, 5.00pm
Discover Information Technology	Wednesday 24 May, 6.00pm
Discover Occupational Therapy, Physiotherapy, Paramedicine**	Thursday 25 May, 5.00pm
Discover Media Communications	Thursday 25 May, 6.30pm
Discover Education: Clayton	Monday 29 May, 6.30pm
Discover Education: Peninsula	Tuesday 30 May, 6.30pm
Discover Engineering	Wednesday 31 May, 6.00pm

➤ **MySCI Science Holiday Program**

MYSci is a three-day science program specifically designed for students who are in Year 11 and 12 in 2023. The program has been significantly revised from the 2022 event, and so if students attended in 2022, they could also attend in 2023.

This program schedule will include:

- hands-on workshops
- access to our brilliant teaching facilities
- opportunity to meet some of our Research Scientists
- exposure to potential career pathways
- activities with the Young Scientists of Australia
- social activities

Date: Wednesday 12 - Friday 14 April 2023
Location: Monash Science Precinct, Clayton Campus Monash University
Cost: \$115 per student
Register at [MYSci 2023](#).



News from the University of Melbourne

➤ **Girl in Power in Engineering & IT**

For girls from Australia with an interest in science, technology, engineering, and mathematics.

Year 9 female students are invited to learn about the exciting possibilities of Engineering and IT through the **Girl Power program**, including a three-night camp at the University of Melbourne, work experience in Year 10 and mentoring opportunities in Years 11 and 12.

Find out more and register at [Girl in Power in Engineering & IT](#).

➤ **Girls Programming Network**

*Whether you're just starting out or you're a programming pro, this **free** full day programming workshop is run by girls for girls.* These events are run one Saturday per term with the first event on 25 March. **Register here** [Girls' Programming Network Term 1 Workshop March 2023](#).



Studying Law at the Swinburne University

Swinburne's law school offers an undergraduate program that focuses on commercial law with an emphasis on intellectual property (IP) law, and it is the only degree in Victoria with this specialisation.

Swinburne's 4-year Bachelor of Laws has a distinct emphasis on trademarks, patents and designs, copyright, technology and innovation, and the prohibition of misleading or deceptive conduct and competition law. The course offers students a degree that emphasises practical skills and real-world experience.

The Swinburne **Bachelor of Laws** program is fully accredited by the Council of Legal Education in Victoria and offers students the option of a single degree or combined program with arts, science, business or engineering.

The VCE prerequisites are Units 3 and 4 – a study score of at least 25 in any English, or 30 in EAL, and the subject adjustments (bonuses) awarded are for a study score of 25 in any business, any humanities or any LOTE subjects equalling 2 aggregate points per study, to an overall maximum of 12 points.

To find out more visit [Bachelor of Laws](#).



News from Deakin University

➤ **Deakin Campus Tours – April School Holidays**

There's only one way to choose a uni - you've got to experience it yourself. Deakin **Campus Tours** gives students and their families the opportunity to experience their preferred Deakin University campus through a tailored tour, during the April school holidays. Guests will join a 1-hour tour led by knowledgeable and friendly student ambassadors to get a first-hand look at Deakin's world-class facilities, and have all their study questions answered.

Melbourne Burwood Campus

Wednesday 12 and Thursday 20 April

General, Accommodation, Arts & Education, Business & Law, Health, and Science Engineering & Built Environment tours

Geelong Waurin Ponds Campus

Thursday 13 and Wednesday 19 April

General, Accommodation, Arts & Education, Health, and Science Engineering & Built Environment tours

Geelong Waterfront Campus

Tuesday 18 April

General & Accommodation tours

Warrnambool Campus

Monday 17 April

General/ Accommodation combined tours

Tours will be departing daily from 9:00 am until 3:00pm. **To find out more information about the Deakin Campus Tours and to register to attend, please visit [Deakin Campus Tours](#).**

➤ **Bachelor of Politics, Philosophy and Economics**

Recently introduced, Deakin's *Bachelor of Politics, Philosophy and Economics* focuses on how power, ethics, sustainability and economics converge to shape our lives. Built by leading academics and researchers, this course is designed for deep and creative thinkers looking to make an impact on society. Students in this course get to enhance their career prospects via exciting real-world experiences, including *internships, volunteer placements* and *study tours*. Plus, there is the opportunity to collaborate on team-based industry and community projects, and to take part in Deakin's global experiential learning programs.

Find out more at [Bachelor of Politics, Philosophy and Economics](#).



Women in Plumbing

Are you ready to go against the flow? It is no secret that women are under-represented in the plumbing industry, and this needs to change.

Why plumbing? Plumbing is a licenced, sustainable and highly sought after trade. Currently in Victoria, there is a serious and sustained skill shortage for Plumbers. With the continued increase in population in Victoria comes investment in construction and renovation. Significant infrastructure projects requiring Plumbers are also underway.

Plumbing...it's not just pipes and toilets. Plumbers are responsible for maintaining, servicing, and installing plumbing systems used for *water supply, roofing, drainage, fire protection, and refrigerated air conditioning*, to name a few.

The **Women in Plumbing** program is a Master Plumbers and Plumbing Apprenticeships Victoria initiative backed by the Victorian Government's Apprenticeship Victoria program, which seeks to champion a connected community of aspiring female students, apprentices, and plumbers address participation rates for women in Plumbing.

Find out more at [Women in Plumbing – Go against the flow.](#)



Engineers Australia

Engineers Australia is the trusted voice of the engineering profession, which is committed to creating solutions to make the world a better place.

When students are doing their research about studying engineering at university, it is useful to pay attention to which courses are accredited by Engineers Australia - [Engineers Australia accredited programs | Engineers Australia.](#)

Completing an accredited course means that graduates of that course are eligible to become [members of Engineers Australia.](#)

A useful video of what engineering is, can be viewed [here.](#)



Data Science and Information Systems Degrees in Victoria in 2023

Data science combines multiple fields, including statistics, scientific methods, artificial intelligence (AI), and data analysis, to extract value from data.

Information Systems, an integrated set of components for collecting, storing, and processing data and for providing information and digital products.

INSTITUTION	COURSE NAME	VCE PREREQS	MAJOR STUDIES IN 2023
Deakin University	Bachelor of Data Science	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.	Artificial intelligence, Computer systems, Data analytics, Data information and management, Data mining, Data science, Data wrangling, Discrete mathematics, Machine learning, Natural language processing, Predictive analytics, Programming, Secure networking.
Federation University	Bachelor of Information Technology (Business Information Systems)	Units 3 and 4: a study score of at least 20 in any English.	Business information systems.
Holmesglen Institute	Bachelor of Information Systems	n/a, but successful completion of Year 12 <u>and</u> ATAR is used as part of selection.	Amazon Web Services (AWS), Azure, Business Analysis and Design, Business Decision Analysis, Business Transformation and Innovation, C# programming, Cloud Computing, Communication and Teamwork, Cyber Security, Database Design, Database Systems, Enterprise Systems, IT Ethics, Information Security, Information Systems, Java Programming, MVC, MYSQL, Networking, Object Oriented Programming, Project Management, Responsive Web Programming, System Support and Testing, Virtualisation.
Monash University	Bachelor of Applied Data Science	Units 3 and 4: a study score of at least 27 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 25 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics.	Anatomy and developmental biology, Applied and statistical mathematics, Astronomy, Biochemical science, Biological science and genetics, Biomedical science, Business analytics, Business information systems, Chemical sciences, Computer Science, Computer systems engineering, Crime and society, Cybersecurity, Data challenges, Data science, Digital media, Discrete mathematics, Drugs and society, Earth and atmospheric sciences, Economics, Geography and the environment, Language and society, Marketing science, Mathematics, Microbiology, Mobile apps development, Modelling with differential equations, Molecular and cell biology, Pharmacology, Physics, Physiology, Social research, Software development, Statistical modelling.
RMIT University	Bachelor of Data Science	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	Analytics, Bid Data, Data analysis, Data mining, Data science, Data warehousing, Data wrangling, Database, Ethics, Forecasting, Information retrieval, Legal issues, Machine learning, Privacy, Programming, Statistical computing, Statistics.
	Bachelor of Business (Information Systems)	Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL.	Blockchain Enabled Business, Business & Technology, Business Information Systems, Economics, Entrepreneurship, Finance, Financial Planning, Global Business, Innovation & Enterprise, Logistics & Supply Chain, Management & Change, Marketing, People & Organisation, Social Impact.
Swinburne University	Bachelor of Data Science	Units 3 and 4: a study score of at least 25 in English other than EAL or at least 30 in English (EAL); Units 1 to 4: satisfactory completion in two units (any study combination) of any Mathematics.	Big data architecture and application, Cloud computing architecture, Computer systems, Data visualisation, Networks and switching, Object oriented programming, Software architectures and design, Software deployment and evolution.
Victoria University	Bachelor of Data Science	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL; Units 3 and 4: a study score of at least 20 in any Mathematics.	Data Analytics for Cyber Security, Data Science Fundamentals, Machine Learning and Data Mining, Predictive Analysis, Software Development, Web and Cloud Application Development.

* [New Bachelor of Data Science](#) in 2023

Courses offered by AIM – Melbourne Campus in 2023

The [Australian Institute of Music \(AIM\)](#) is a private music school totally dedicated to the pursuit of excellence in music – be it composition, performance, or even management.

AIM has campuses in Sydney and Melbourne, and courses offered in Melbourne include:

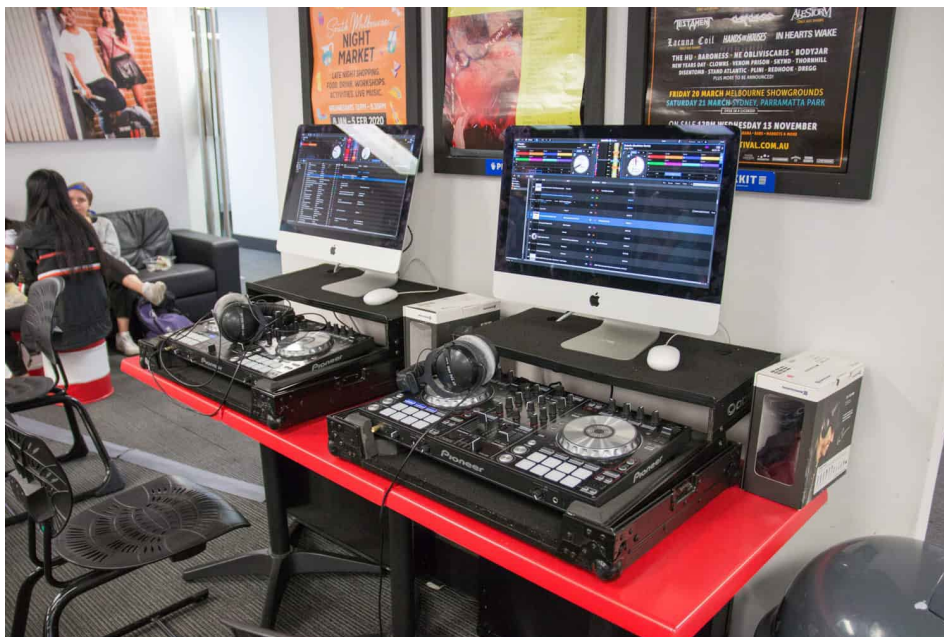
[Bachelor of Entertainment Management](#) – a 3-year course for anyone with a passion for the inner workings of the music and entertainment industry.

[Bachelor of Music \(Composition\)](#) – a 3-year course providing a creative environment for composers, songwriters, electronic musicians, film and screen composers, game composers and music producers to gain their own unique blend of technical, musical, and professional skills.

[Bachelor of Music \(Performance\)](#) – a 3-year course great for instrumentalists or vocalists looking to become a highly accomplished musician, both as a soloist and within an ensemble setting.

[Bachelor of Music \(Music Theatre\)](#) – a 3-year course developing skills in four core disciplines: Voice, Acting, Dance and Musicianship. Students will learn to develop the ear of a musician, the body awareness of a dancer, the imagination of an actor and a thorough understanding of the music language.

Find out more about AIM and all its course offerings by browsing [Australian Institute of Music \(AIM\)](#)



Bachelor of Applied Science (Medical Radiations)

*You may have heard that the Victorian state government is investing \$44 million on PET scanners for hospitals around the state, but did you know that **RMIT is the only university in Victoria** to train the nuclear medicine technologists who can operate the scanners?*

Nuclear medicine uses very small amounts of radioactive materials (radiopharmaceuticals) to diagnose and treat disease. Common nuclear medicine applications include cardiac stress tests to analyse heart function, bone scans for orthopaedic injuries, and lung scans for blood clots.

Radiopharmaceuticals are detected using special cameras (gamma camera technology and positron emission tomography) to provide real-time images of processes occurring within the body.

Nuclear medicine technologists work closely with patients and other health professionals in the treatment of disease. They carry out tests, which may include cardiac stress tests to analyse heart function, bone scans for orthopaedic injuries and lung scans for blood clots.

At RMIT, nuclear medicine is offered as one of three specialised streams within the Medical Radiations Degree.

The VCE prerequisite subjects are: Units 1 and 2: satisfactory completion in one of Biology or Chemistry or Units 3 and 4: one of Biology or Chemistry; Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; Units 3 and 4: a study score of at least 20 in one of Maths: Mathematical Methods or Maths: Specialist Mathematics. The ATAR for 2023 entry is 79.80.

Find out more at [Bachelor of Applied Science \(Medical Radiations\) - RMIT University](#).



Studying the Bachelor of Artificial Intelligence at Deakin

Artificial intelligence is driving digital disruption, with new technology helping redefine many industries. Many companies are looking to take advantage of recent advances in artificial intelligence, which is creating a large demand for skilled professionals.

Students gain the skills necessary to design, develop, and evolve software solutions that takes advantage of the latest advances in artificial intelligence (AI). Students get hands-on experience developing AI-driven software solutions with the support of academics who are leaders in this emerging field. Deakin's world-class research in AI feeds directly into the classrooms, ensuring what students learn is at the cutting edge of industry expectations and capabilities.

Students will have access to fully equipped computer labs with the latest software and technologies

to ensure they graduate with the specialist skills to design and build the intelligent systems of the future. Students will also have opportunities to obtain certificates from the training program for Microsoft Azure AI.

With a minimum of 100 hours of industry experience, students will gain the skills required to become an artificial intelligence specialist; allowing them to work alongside software engineers, data scientists, application developers and business analysts, applying their specialist knowledge to ensure artificial intelligence is appropriately integrated into software solutions from a technical and human perspective.

Find out more at [Bachelor of Artificial Intelligence](#).



News from Monash University

➤ **Biomedical Engineering Specialisation**

A **biomedical engineering** specialisation is offered in the Bachelor of Engineering (Honours) at Monash, the Clayton Campus. Students seeking a career combining medicine and technology can undertake this engineering specialisation, and will learn to design and develop new diagnostics, monitoring tools and therapies, and build new medical instruments and devices through the study of engineering design fundamentals and biological science subjects.

There is a predicted very strong jobs growth for biomedical engineers is projected over the next 5 years.

Biomedical engineers find exciting and rewarding career opportunities in the following areas:

- Medical equipment and device design and manufacturing
- Medical and healthcare services
- Biomedical instrumentation industries
- Research and development
- Med-tech entrepreneurship
- Engineering consultancy

Find out more at [Biomedical Engineering Specialisation](#).

➤ **Monash Science**

Science is the ultimate career for those who want to unlock the secrets of the universe... and have a lot of fun in the process. Scientists dissect and discover, explode and explore, investigate and invent – and their work can genuinely change the world.

Students might be interested in having a closer look at the [Physics and Astronomy 360 Collaborative-learning Environment \(PACE\)](#) link and have a 360 degree look at these facilities.

Students might also like to participate in a **Science Precinct Tour** in the July school holidays. Students will be able to take a closer look and see the facilities where they could be studying after Year 12. **Registration is important - [Monash Science Precinct Tours 2023 - Multiple Dates](#).**



Studying for a Career in Sport Management

[Wikipedia](#) states that **Sport Management** is the field of business dealing with sports and recreation. Sports management involves any combination of skills that correspond with planning, organizing, directing, controlling, budgeting, leading, or evaluating of any organization or business within the sports field.

Updated in late 2022, [Indeed Australia](#) published the **top 10 Careers in Sports Management**. These include *Talent Scout, Sports Consultant, Sports Centre Manager, and Sports Analyst*.

In Victoria, Sport Management can be studied at various institutions. Some of these courses include:

Deakin University

Bachelor of Business (Sport Management)

[Bachelor of Business \(Sport Management\) | Deakin](#)

Deakin University

Bachelor of Exercise and Sport Science/Bachelor of Business (Sport Management)

[Bachelor of Exercise and Sport Science/Bachelor of Business \(Sport Management\) | Deakin](#)

Swinburne University

Bachelor of Business (Professional) *majoring in Sports Management*

[Bachelor of Business \(Professional\) | Swinburne](#)

Torrens University

Bachelor of Business (Sports Management)

[Bachelor of Business \(Sports Management\) | Torrens University](#)



Event Management Courses in Victoria in 2023

The Good Universities Guide indicates that an **event planner** or **event coordinator** plans and organises special events, including parties, wedding receptions, product launches, banquets, sporting events, meetings, conferences, and conventions. Successful event planners –

- enjoy working with people
- good organisational and time management skills
- have every attention to detail
- good interpersonal and supervisory skills
- good communication skills
- neat personal appearance
- comfortable working with computers
- able to negotiate, delegate and work under pressure

Depending on the size of the establishment, events coordinators may work independently or as part of a team. They often work irregular hours, and on weekends and public holidays. **Learn more at [Good Universities Guide - Events](#)**. For a comprehensive list of all events courses offered by all Victorian institutions, visit [VTAC](#)

There are a number of institutions in Victoria that offer courses, or majors, in event management, and some of these include –

INSTITUTION	COURSES IN 2023	VCE ENTRY REQUIREMENTS
Deakin University	Bachelor of Business	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
Holmesglen Institute	Diploma of Event Management	Successful completion of Year 12
	Diploma of Sport with Diploma of Event Management	Successful completion of Year 12
La Trobe University	Bachelor of Business	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
	Bachelor of Business (Event Management)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
Melbourne Polytechnic	Bachelor of Hospitality Management	Successful completion of Year 12 VCE or equivalent with no specified minimum ATAR score and a study score of at least 20 in any English.
	Diploma of Live Production and Technical Services	Successful completion of Year 12

Swinburne University	Diploma of Event Management	Successful completion of Year 12
Victoria University	Diploma of Event Management	Successful completion of Year 12
	Bachelor of Business (Event Management)	Units 3 and 4: a study score of at least 25 in English (EAL) or at least 20 in English other than EAL.
William Angliss Institute	Diploma of Event Management	Successful completion of Year 12
	Associate Degree in Event Management	Successful completion of Year 12 and ATAR is used for selection
	Bachelor of Event Management	Successful completion of Year 12 and ATAR is used for selection



Snapshot of William Angliss Institute (WAI) in 2023

- With around 23,000 students enrolling each year, WAI offer a broad range of training and education programs including accredited traineeships and apprenticeships, certificates, diplomas and advanced diplomas, short courses, graduate certificates, bachelors, and master's degrees.
- WAI has its main campus in Melbourne, and a campus in Sydney. It also has campuses overseas in countries including China, Sri Lanka, Vietnam, and Singapore - [About WAI](#).
- WAI is one of Australia's largest specialist centres for foods, tourism, hospitality, and events training.
- Courses are categorised into various groups:
 1. *Food Studies and Culinary Arts, Food Science & Technology, Baking, Patisserie* - [Foods](#)
 2. *Tourism, Travel, and Aviation* - [Tourism](#)
 3. *Hospitality and Resort & Hotel Management* - [Hospitality](#)
 4. *Event Management* - [Events](#)
- WAI offers a number of Bachelor's degrees including:
 - [Bachelor of Culinary Management](#)
 - [Bachelor of Food Studies](#)
 - [Bachelor of Tourism and Hospitality Management](#)
 - [Bachelor of Resort and Hotel Management](#)
 - [Bachelor of Event Management](#)
 - [Bachelor of Tourism](#)
 - [Bachelor of Tourism \(Marketing\)](#)
 - [Bachelor of Tourism \(Ecotourism\)](#)
- WAI also offers [Apprenticeships and Traineeships](#), as well as numerous [short courses](#).
- WAI offers a 6-month [Certificate III in Aviation](#) designed to enhance students' opportunities to fulfil their plans to work with an airline as a cabin crew member. The focus of this course is about customer service, and not really about emergency procedures. Topics of study - beverage service, flight retailing, meeting customers, etc. managing disruptive customers, etc.
- Numerous [scholarships](#) are on offer to students each year.

- The [Angliss International Hotel School](#) offers students a study pathway to take service delivery to a new and luxurious level. With exposure to masterclasses covering the finer and more specialised areas of hotel service, students will be equipped for a career offering exceptional service in the international hotel industry.



Schools on Air



Ever wanted to be on radio

Create your own podcast

Or be a producer?

Whether you've never picked up a mic, or you know your basics but want to learn more, join us and record your very own show.

Each week you will work with a SYN 90.7 FM radio expert who will guide you as you decide on the music and script, before you record and go live on radio across Melbourne and Geelong!

Join Schools on Air!

Book Now!
<https://bit.ly/SchoolsOnAir23>



Dates: Term 2, 3 & 4

Time: Mondays from 4:00 - 6:00 pm

Location: Banyule Nillumbik
Tech School

61 Civic Drive, Greensborough

For more information contact
BanyuleNillumbikTS@melbournepolytechnic.edu.au

BANYULE NILLUMBIK
TECH
SCHOOL





MakerSpace

MakerSpace is an open-ended after school club for innovation run concurrently with Creator Club for high school students and teachers from our partner schools. MakerSpace participants will have the opportunity to learn new skills through rotating Skill Taster sessions. Bring a project or idea and navigate the Design Thinking process, or jump in with an open mind and see where the space and technology available takes you.

More info and Apply

<https://bit.ly/BNTSMakerSpace>



BANYULE NILLUMBIK
**TECH
SCHOOL**

Term 1, 2023

Tuesdays

(February 7th – April 4th)

Time

3:30pm – 5:30pm

Location

Banyule Nillumbik Tech School,
61 Civic Drive Greensborough

Cost

Free to BNTS partner school students and teachers for small-scale projects*

* Participants may be required to purchase materials or equipment that is not available at the Banyule Nillumbik Tech School. Personal stock and equipment remains the responsibility of the participant