

Careers News

November 7 2019

Dear Parent/Guardian

This week's Careers Newsletter includes many and varied topics for you and your daughter.

- Upcoming career events
- How cybersafe are you? Take the quiz
- How to land a career in gaming and programming
- New careers in computer science and cybersecurity magazines
- Articles from Careers in STEM
- RMIT – online engineering game
- New careers in mining guide
- Resources for students interested in pharmacy and economics
- Updates from Monash University, La Trobe University, RMIT
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- Join The University of Melbourne 'Future Law' blog
- Join the Deakin University Architecture and Built Environment blog
- Careers in marketing, public relations and events management
- Careers in engineering
- Nanotechnology – the science of small
- What are employers looking for?

Upcoming career events

Endeavour College of Natural Health: is a private college in Melbourne offering tertiary courses in:

- Naturopathy
- Acupuncture
- Nutritional and Dietetic Medicine
- Myotherapy
- Complimentary Medicine
- Remedial Massage (Diploma)

The institute is running an information session for prospective students and their families. You will be able to tour the campus, speak to course advisers and current students, and learn about the admissions process.

When: Thursday 7 November, 7.45 – 8.30am
Where: Level 1, 368 Elizabeth Street, Melbourne.
Info and RSVP: <https://bit.ly/36iNtzg>

The Melbourne Extracurricular Summit:

The Summit is ideal for students in Year 7 and above and their families who would like to learn about extracurricular activities they can engage in outside of school.

Students will learn from inspiring speakers, come away with practical tips to finding their passion and hear student case studies to help them rethink how they approach their current and future extracurricular activities all in time for the summer holidays!

When: Saturday 9 November, 1.30pm – 5pm
Where: Trinity Grammar School, Kew
Info and RSVP: <https://bit.ly/2MTxpxf>

12 November: Deakin Accelerate Information Webinar, Deakin University, online,
<https://bit.ly/2p0912o>

Academy of Interactive Entertainment (AIE) Open Day: AIE is a private college in Melbourne offering courses in the following study areas:

- Game Art and Animation
- Game Programming
- Game Design and Production
- 3D Animation and VFX for Film
- Games and Virtual Worlds.

The next open day for prospective students will be held on Saturday 16 November. For information and to register, go to <https://bit.ly/2D9oldg>

Discovering Rail Careers: The Rail Academy Newport is running an information session for students who would like learn about exciting careers in rail and work opportunities.

When: Wednesday 20 November, 10.00am – 12.00pm
Where: Rail Academy Newport, Shea Street, Newport, Victoria
Info and RSVP: 1800 105 105
Website: <https://bit.ly/2pmheOQ>

La Trobe University: Prospective students and their families are invited to attend the annual Engineering and IT Showcase, held at Union Hall, Bundoora campus on Wednesday 27 November between 5.30 – 8.30pm.

You will be able to view amazing La Trobe student industry projects, and speak with current La Trobe students and lecturers. This event will suit students interested in computer science, engineering and data science. For information and to RSVP, go to <https://bit.ly/2P9v3uE>

Photography Studies College (PSC): PSC's 3rd Year Bachelor students invite you to their graduate exhibition AS I GAZE showcasing works from the Fine Art, Documentary and Commercial majors at the Centre for Contemporary Photography, Fitzroy. You will be able to speak to current PSC students and staff. The exhibition will be held between 2 – 10 November, <https://bit.ly/2plqWL4>

The Hotel School Melbourne: prospective students are invited to attend an information evening being run on Tuesday 26 November at the Lonsdale Street, Melbourne campus. You will be able to tour the campus, meet current students and staff and speak to course advisers. For information and to RSVP, go to <https://bit.ly/32BzQJd>

Open Days at Holmesglen Institute: open days will be held at Holmesglen on Thursday 28 November. The Institute will showcase the TAFE and university courses on offer in the following departments:

- Arts and Design
- Business and Finance
- Building and Construction
- Community and Health Sciences
- Computing and IT
- Education and Training
- Hospitality, Tourism and Events
- Horticulture and Environment
- Sport, Fitness and Wellbeing

For information on locations, courses within each department and to register, go to <https://bit.ly/2MTYYFx>

Cool articles from Careers with STEM

How cybersafe are you? Take the quiz here - <https://bit.ly/2Bul5f8>

How to land a career in gaming: If you're a gamer into maths and technology, carving out a pathway in programming is the dream, right? Here's what to study, which companies to hit up, and what pay is like before you enter the industry, <https://bit.ly/2obkUm0>

Careers with STEM: Code 2019 is here to remind you that careers in tech and computer science are for everyone! We can't know exactly what the jobs of the future will look like, but we know digital technology will be a driving force.

According to one report, more than half of Australian workers will need to be able to "use, configure or build digital systems" in the next 2-3 years. And digital skills are valuable not just in the tech sphere, but across almost every industry, from agriculture to mining and tourism. You can read the e-mag for free, as well as a Careers with STEM: Cybersecurity mag at <https://bit.ly/2Os7gCR>

What careers are there in cybersecurity? Cybersecurity is a booming career area, and with a massive 50+ job titles in the industry there are stacks of opportunities for recent

computer science graduates. We've rounded up some of the most exciting roles to consider, <https://bit.ly/2qP8lbq>

A day in the life of an ethical hacker: Thinking like a hacker and playing Dungeons & Dragons is all in a day's work for CBA grad Rhiannon Nee-Salvador. We hunt down her work schedule, so we can suss what a pen tester does from 9-5, <https://bit.ly/2BUIDLD>

Wellness 2.0: a list of exciting HealthTech careers: With 78 per cent of us hitting up Google for health-related information, it's no secret that digital developments in healthcare have revolutionised the way we seek, consume and use medicine. Here, we look at some of the areas where technology is creating exciting opportunities, for both our health and our jobs, <https://bit.ly/36bl5Pv>

Quiz: how can you use your STEM skills in a health career? Careers in health may conjure up images of hospitals and clinics, but there are so many more opportunities for health workers outside of these stereotypes. How can you help with health? Your career options are endless, <https://bit.ly/2PtsGmg>

Does your daughter want to be an engineer?

Does she prefer building bridges or creating engines? Who has more fun – a civil engineer or an aerospace engineer? Bring together skills and knowledge with a degree at RMIT. Play this game to find out what type of engineering she would be best suited to, and about student life at RMIT, <https://bit.ly/2MVJrDK>

Updates from La Trobe University

The Bachelor of Arts has been revamped! From 2020, La Trobe University will be offering a revamped Bachelor of Arts. Key highlights include:

Over 50 majors and minors to choose from – the largest choice of any Victorian university.

Majors will be offered from other disciplines such as business and science so you can create a degree that suits your passions. Examples of major combinations are listed below:

- Environmental humanities and environmental geoscience
- International studies and international business
- Chinese studies and management
- Visual cultures and marketing
- Sociology and public health
- Crime, justice and legal studies and psychology
- Sustainability and development and economics
- Politics and statistics

There will be specially designed international travel subjects such as:

- Planning Issues in the Philippines
- Product Co-Design Workshop in Sarajevo in Bosnia
- Ottoman History in and around Istanbul in Turkey
- Southern Culture in the Mississippi Valley in the USA
- Renaissance Italy taught in Tuscany
- Sicily Through the Ages

For information and to explore the amazing majors on offer, go to <https://bit.ly/31yAwgP>
New international sustainability experience: from next year, students studying selected degrees from the faculties of Arts, Social Sciences and Communications, and Business and Commerce will be able to apply for a 2-week funded international experience to China or Vietnam.

You will spend a week working on sustainability projects, helping to find solutions to real-world problems. La Trobe will cover the cost of airfares (with an open-ended return date), accommodation, food, transport, visa fees and insurance. For information, go to <https://bit.ly/32x6D1T>

Careers in Mining

The following information has been taken from Careers with STEM, <https://bit.ly/2W2Yz5k>

“Australia’s minerals industry is a diverse and vibrant sector, with many different opportunities for school leavers, apprentices and trainees, tradespeople and university graduates.

Some of the exciting careers on offer in mining include engineering, trades and mechanics, environmental science, geology and data analytics to name just a few.

Advances in technology are making the industry safer, more competitive and more sustainable, and the Australian minerals industry is rapidly adopting new technology such as robotics, drones, data science and virtual and augmented reality. This will require a different skills mix for our future workforce.

Traditional jobs are also increasingly being boosted with new technology – for example, a shot-firer working on a drilling team will have the opportunity in Australia’s future minerals workforce to use drone technology to monitor automated rigs.

The Minerals Council of Australia has put together Australia’s first More to Mining Careers Guide to show the range of highly skilled, highly paid job opportunities on offer in our world-leading minerals industry.

Workers, students, industry experts and researchers from across Australia were interviewed for the More to Mining Careers Guide so they could share their mining career stories and bust some myths and stereotypes about the minerals industry.

There are so many different people and careers in mining, but they all have two things in common: they love their jobs and are proud of their industry. Open your mind to an exciting future and find out why there is so much more to mining than you might think!" You can download the Guide from <https://bit.ly/2JaMyH9>

Careers at the Commodore mine in QLDs Darling Downs: Careers with STEM, Downer, and the Minerals Council of Australia have produced videos featuring people working at the Commodore mine and using technology such as drones, virtual reality, 3D models and gaming technology. Watch the videos at this link - <https://bit.ly/2MBSDOP>

Has your daughter considered studying pharmacy?

The Pharmaceutical Society of Australia Ltd. has just released a report called 'Pharmacists in 2030: Roles and Remuneration'. It explores the evolving role of pharmacists in Australia, potential changes to role descriptions for specialist pharmacists, and remuneration.

Anyone considering exploring a career in pharmacy should read this report, <https://bit.ly/31BWEXZ>

In Victoria, you can study pharmacy at the following three universities:

Monash University, <https://bit.ly/2XBnrCx>
La Trobe University, <https://bit.ly/31v6QkU>
RMIT University, <https://bit.ly/2p7eDrZ>

Updates from Monash University

Monash Peninsula Student Experience Day: Offering a range of insightful and interactive workshops for Year 10s and 11s, this day is perfect for students who are passionate about education or business. Students will participate in one of our faculty workshops and will also hear from a leading education academic on managing stress, building resilience and staying motivated. This is a great opportunity to visit and explore our Peninsula campus. The event will be held Thursday 28 November, <https://bit.ly/33JZHPC>

Changes to entry to Physiotherapy: From 2020, you will have two opportunities to be able to study physiotherapy at Monash – an undergraduate and a graduate pathway.

Option 1 - undergraduate: Bachelor of Physiotherapy (Honours). The indicative ATAR for this course is 97.35.

Option 2 – graduate entry: if you are concerned you won't achieve the ATAR for the Bachelor degree, you can apply to study an eligible degree at Monash such as Bachelor of Biomedical Science, or Health Sciences and then apply for the new 3-year Doctor of Physiotherapy at Monash once you graduate. For information on entry criteria, go to <https://bit.ly/2W4lqgM>

To cover both options, add back up-Bachelor degrees to your VTAC preference list.

Engineering at Monash: interested in keeping up-to-date with what goes on in the Faculty of Engineering? Sign up to their newsletter! You can read about what students are up to, and see the impact of Monash's research and partnerships. It's also a great tool to help you better understand what engineers do, <https://bit.ly/32ludZO>

Diploma pathways to popular degrees at Monash

Diploma of Tertiary Studies: provides a pathway into the following Bachelor degrees – Business, Education and Nursing, <https://bit.ly/32CfDmr>

Diploma of Higher Education: provides a pathway into the following Bachelor degrees – Science and Education, <https://bit.ly/2MAZ0lj>

Add the Diploma/s to your VTAC preferences as back-up options.

Resource Engineering at Monash

Monash University offers the Bachelor of Bachelor of Renewable Energy Engineering (Honours) at the Clayton campus. Students can choose to specialise in one of the following streams: Mining or Renewable Energy.

Graduates will take a leading role in solving complex, multidisciplinary engineering problems to help sustain the future supply of the world's natural resources. To explore this exciting course, go to <http://bit.ly/2dh4PTt>

Explore psychology at Monash: Do you wonder how the human mind works? Studying psychology is a chance to analyse how we think and behave. Monash offers a range of pathways for students with a passion for psychology – from a specialist degree, to a major or minor within their Arts or Science degrees (or double degrees). Assess your options at this link, <https://bit.ly/2pGRKvl>

Updates from RMIT University

Learn to fly at RMIT: Becoming a professional pilot in the competitive field of aviation can lead to a satisfying and well-paid career.

The International Civil Aviation Organization (ICAO) found that in the most likely scenario 980,733 pilots will be required globally in 2030, with 229,676 of these in the Asia Pacific region.

RMIT holds an Air Operator's Certificate, which means their students are highly employable with more than the minimum number of hours spent in the air when they graduate.

RMIT has trained more than 3,000 pilots from around the world and our graduates have gone onto work in the aviation industry, both in Australia and overseas.

RMIT now offers flight training at both Point Cook and Bendigo. For information and to book in for an information session at the Bendigo campus, go to <https://bit.ly/32FvEb6>

Pathways tool: As we know, the traditional path into university isn't the only one. Pathways give the opportunity to access our large range of vocational education courses that lead onto Undergraduate study. View our exciting new pathways tool to find out more, <https://bit.ly/2p2Jmq4>

Theatre at The University of Melbourne

The Faculty of Fine Arts and Music has developed a new video for students considering applying to study Theatre. It shows students in action and clearly explains the difference between Acting and Theatre. The video also includes a few great student stories and comments from Matt Delbridge, Head of Theatre at the VCA, <https://bit.ly/2N6uZsl>

FlickerUp Film Competition

Passionate about filmmaking? Flickerfest, Australia's largest and only Academy® Award accredited and BAFTA- recognised international short film festival, is now accepting entries from around Australia for the FlickerUp competition.

FlickerUp is Flickerfest's national youth short film competition. Short film entries are invited from primary and secondary school students or filmmakers under 18 years of age across Australia. For information about the initiative and to apply by Saturday 9 November, go to <http://flickerfest.com.au/>

Is your daughter passionate about languages?

Having a second language is great for her future employment prospects. Did you know that she can study a Diploma of Languages whilst she is studying a Bachelor degree at most universities?

She does not need to have any previous experience with the language she is interested in. The following are examples of Diploma programs at several universities:

- University of Melbourne: <http://bit.ly/2dNWJBV>
- Monash University: <https://bit.ly/35RAeFf>
- La Trobe University: <http://bit.ly/2eIX5k6>
- Deakin University: <https://bit.ly/2JcPd1u>
- RMIT, <http://bit.ly/2eYjqWR>
- Australia National University, <http://bit.ly/2dBGTHt>

Economics resource

The Reserve Bank of Australia has developed career resources for prospective students interested in pursuing a career in economics. You can access the resources at this link, <http://bit.ly/2it8bYl>

Search for university scholarships

The Country Education Foundation has developed a resource to assist Year 12 students to find and apply for university scholarships. To access the resource, go to <http://bit.ly/2yGMSGX>

Preparing for exams

The following articles have been taken from **Deakin 'this'**, <https://bit.ly/2CYPdIB>

- Exam tips from high achieving Year 12s
- Effective ways to memorise for exams
- How to succeed in your final exams
- Students take notes and ace your exams

Youth Central: Exam preparation tips, <http://bit.ly/1tj9QPF>

Lisa's Study Guides: focused on preparing for Victorian English exams but can be used by NSW students as well, <https://bit.ly/227DGng>

Defence Force Career Events

NOVEMBER

- 7** Submariner Careers Information Session
- 12** Australian Defence Force Academy (ADFA) Information Session
- 14** Aboriginal and Torres Strait Islander ADF Careers Information Session
- 20** Defence Careers Information Session
- 26** Navy Careers Information Session

For information and to RSVP your place, go to <https://bit.ly/2WpjzEB>

Macleay College

Macleay College is a private institute at Melbourne and Sydney offering tertiary courses in study areas such as:

- Advertising and Digital Media
- Digital Entrepreneurship
- Digital and Social Media Marketing
- Coding and Analytics
- User Experience Design
- Content Writing, Content Creation

- Business and Marketing
- Entrepreneurship
- Sports Business
- Public Relations
- Event Management
- Travel and Tourism
- Journalism
- Accounting

From 2020, Macleay will be reducing their course fees. For information, contact Joel Forde at Macleay, jforde@macleay.edu.au

Articles from the Australian Careers Service (ACS)

Open Universities Australia recently released a report called 'The Definitive Guide to Future-Proofing Your Career'. ACS has analysed the report and summarised the findings for you. They explored the following 5 key findings:

- Unexpected industries will boom
- Human-centric skills will be in high-demand
- Personal branding will be big
- Skilled humans will be in shortage
- Micro-credentials will be a must.

To read the summary by ACS and the full report by Open Universities Australia, go to <https://bit.ly/2MTLZnh>

Australian university rankings: The Good Universities Guide has released their annual report on rankings and ratings of Australian universities. This information is important for school students and their families when considering post school study options. To read a summary of the findings by ACS and the full report by the Good Universities Guide, go to <https://bit.ly/2pZGsmc>

The best Australian workplaces of 2019: Great Place to Work has recently released their annual '50 Best Places to Work' report. To read a summary of the report from ACS and to download the report, go to <https://bit.ly/2Jz3rLQ>

Has your daughter considered studying neuroscience?

Neuroscience is the study of how the brain and nervous system impact behaviour, actions and cognitive thinking.

Students can specialise in areas such as behavioural neuroscience, neuroimaging, social neuroscience, molecular neuroscience, and neuro-linguistics etc.

Research is undertaken in areas such as music, sport, schizophrenia, epilepsy, stroke, Alzheimer's Disease, and Huntington's Disease etc.

Studying neuroscience would suit students who are interested in science, research and lab work. It's advisable to study subjects such as advanced mathematics, biology, chemistry, psychology and physics at school.

To become a neurologist or neurosurgeon, you will need to study a medical degree first.

Victorian universities are leaders in the fields of neuroscience and neuropsychology research. The following are two universities that offer neuroscience as a major at the undergraduate level:

Swinburne University: can major in Neuroscience through the Bachelor of Health Science and Bachelor of Health Science (Professional), <http://bit.ly/2hrMt42>

The University of Melbourne, can major in Neuroscience through the Bachelor of Biomedicine or the Bachelor of Science, <http://bit.ly/2rWjXhe>

The Melbourne Brain Centre: read about the research undertaken by the Centre and services at this link, <https://bit.ly/2PsOXkh>

Free study skills subjects

Charles Sturt University: offers free online subjects for students who would like to brush up on their skills, prepare for university study, extend their learning and challenge themselves. Examples of subjects include:

- Getting ready for uni study
- Essay writing and academic writing
- Critical thinking
- Maths (intermediate and advanced)
- Preparation for teaching maths (for students interested in studying education)
- Introductory subjects in Chemistry, Physics, Bioscience and Anatomy

For information and enrol into a free online subject, go to <https://bit.ly/2Psh7fe>

Is your daughter interested in studying law in the future?

Secondary school students interested in studying the Juris Doctor at The University of Melbourne in the future can subscribe to the "Future Law" newsletter. This will allow prospective students to be kept up to date about special events, key application dates, news and more within the Melbourne Law School. To subscribe, go to <http://bit.ly/2eXFxg8>

Built Environment at Deakin University

Prospective students can bookmark the Faculty of Architecture and Built Environment blog and follow the work of Deakin students, lecturers and alumni. You can bookmark the page at this link - <http://bit.ly/2znXzO2>

Interesting articles from 'The Footnotes'

Marketing, Public Relations and Events careers, <https://bit.ly/2PZvWmZ>

- On the phone with a publicist
- The real world of advertising and media
- Fast five with a social media manager
- What does a marketing and events manager do?
- 'I want to work in media' means you'll be doing 1 of these 5 jobs
- TV publicist's career ladder from 18 – 34
- A day in the life of a festival organiser

Engineering careers, <https://bit.ly/2yGD3di>

- What is bioinformatics and bioengineering?
- Inside Civil Engineering with Charles Sturt University
- Inside an environmental engineering office
- A day in the life of a chemical engineer
- What's chemical engineering?
- Aerospace engineering at UNSW: what is it?
- Fitting and Turning: why I picked it

Has your daughter considered studying nanotechnology?

Nanotechnology is the engineering and manipulation of extremely small matter and is one of the fastest growing areas of technology and scientific research.

The degree suits students who love Maths, Physics, Biology and Chemistry and would like to work in the field of material and physical sciences. The following are examples of three courses you can study in Victoria:

La Trobe University: Bachelor of Science with a major in Nanotechnology, <https://bit.ly/2WoXVjR> Watch the video Decoding Nano here - <http://bit.ly/2gykJtn>

RMIT: Bachelor of Science (Nanotechnology)/ Bachelor of Science (Applied Sciences), <http://bit.ly/2gCs3YK> Read Karen's story here - <http://bit.ly/2zKFjPR>

RMIT: Approved Bachelor degree in an area such as science or engineering/Master of Nanotechnology and Smart Materials, <http://bit.ly/2n7O1TW>

Interesting article shared by My Career Match

Robots at the Gate: Employers want employees who are tech savvy, collaborate, communicate, and have problem solving skills. That being the case, where do our students learn these attributes, how and who will teach them these life skills. 'Robots at the Gate' is a good read about humans and technology at work, <https://bit.ly/2S46Swu>

The Pathways Team

