Careers of the future: By the time you graduate from a degree or an apprenticeship, there will be many new jobs that haven’t even been invented yet.

Technology expansion is rapid and who knows what jobs will be advertised in 10 years time, let alone 50?

According to a La Trobe University video featuring their Bachelor of Arts degree, by 2030 2 Billion jobs will be obsolete, [http://bit.ly/1MBqTW0](http://bit.ly/1MBqTW0)

They will be replaced by ones that don’t exist yet. The video also suggests you will have approximately 10 careers in your lifetime.

This doesn’t mean changing employers 10 times, this means different occupations. So, you may start out as a builder and then move on to teaching and then to nursing.

The message of the video is that you have to be able to adapt as the world changes. You will need to continually work on developing your personal skills such as communication, team work, problem solving.

You will also need to commit to lifelong learning to have up to date skills and to be competitive in the job market.

So you may complete a university degree, then a TAFE qualification, then short courses, then a graduate university course and then more short courses.

There is no right or wrong way of doing things, but you need to be flexible and adaptable when it comes to change, because if there is one thing you can be 100% sure of, there will be lots of it.

Amy Zuckerman is a journalist. In 2008 she developed futuristic job advertisements for several technology careers, including:

- Personal Virtual-Presence Agent
- Automotive Hybrid and Fuel-Cell-Vehicle Research Engineer
- Exobiologist to Study Alien Life-Forms
- Senior Biocomputing Engineer
- Digital Matchmaker
- Gene Diagnostician

Read the advertisements here - [http://bit.ly/1RIxuMa](http://bit.ly/1RIxuMa)

If you think they sound far fetched, just remember that it wasn’t so long ago that Facebook didn’t exist, we couldn’t access the internet via our phone, mobile phones were the size of bricks and blue tooth didn’t exist.

We now have courses that focus on

- Global security and terrorism
- Genetic counselling
- Geomatics
- Human interface technology
- Renewable and ‘green’ energies
- iPhone & iPad App development, and
- Social analytics

Apprenticeship, TAFE and university courses will evolve and develop as technology and our society evolves. The future is very bright and the world is certainly your oyster!
The Canadian Scholarship Trust Plan and foresight strategists recently came up with descriptions for jobs that may exist in 2030. Apart from jobs that haven’t been invented yet, they have predicted what jobs may be like for occupations such as teaching, plumbing, etc., [link](http://careers2030.cst.org/jobs/).

Interesting job titles include:

- Nostalgist
- Telesurgeon
- Rewilder
- Simplicity Expert
- End of Life Therapist

Futurist Morris Miselowski predicts that by 2050, 60% of people will be doing jobs that don’t currently exist. He predicts we could be working in jobs such as:

- Transhumanist Designer/Engineer
- Nano Medic
- Memory Augmentation Surgeon
- Ethics Lawyer
- Weather Controller
- Spaceport Traffic Control

He believes that many jobs will focus on technology and the human body- improving health and extending human life, [link](http://bit.ly/RN7wip).

Whilst many of these jobs focus on science and technology, all jobs will be affected and will either become obsolete or undergo significant changes.

Whilst in school, it is crucial that you engage in your studies and keep an open mind about the future. What you aim to be doing in even 5 years, may not be what you will actually be doing.

Just remember the mantra- change is constant and access your allies to assist you to navigate through your career.

Did you know?

- Between 20 – 30% of first year students drop out of or change their university course.
- About 50% of trainees drop out of their apprenticeship/traineeship.

Don’t become a statistic- make sure you don’t just fall into a course or job. You still have plenty of time to make the right decisions and put in the groundwork.

You will be making the wrong career choice if you base your decision-making solely on any of the following:

**It looks cool on TV** (e.g., Boston Legal, CSI, Criminal Minds). This is NOT reality. People don’t walk around crime scenes wearing the latest fashions, or work in labs with their hair falling about their shoulders. Nor do they receive crime scene test results overnight. If you want to watch a good program, watch a reality series like Border Security, Recruits, or Customs etc., or read autobiographies of people working in the industry you are interested in.

Your parents expect you to do it. This is a tricky one. You want to study history, but your parents expect you to study law, medicine or dentistry because in their eyes it is ‘more respectable’, ‘earns more money’, or simply it is just an expectation in your family that you will study a certain course. Following your parents’ guidance will make them happy, but it’s important that YOU are happy and fulfilled in your life.

The job pays a lot of money. We know occupations like Dentistry, Law and Mathematics pay well. But would you want to sit through four years of Law if your heart wasn’t in it, and you didn’t enjoy things like researching, debating, reading and analysing? And would you want to commit years of study to becoming a Dentist or Surgeon through taking subject after subject in sciences when your real passion is humanities?

Your parents/siblings/second cousin’s neighbour does it. Sure, your Aunty likes accounting, but how do you know you will?
If you want to follow the path that will lead you to a satisfying career, there are a few things to think about.

You don’t know what you don’t know: There is a world of opportunity out there with an enormous range of career options. There are jobs that will suit you that haven’t even been invented yet! How would you know that you would like to study biomedical engineering if you have only studied physics and mathematical methods at school? How would you know that you would love anthropology if you have only studied sociology at school?

Network: Do work experience. Even one or two days—don’t have to go for a whole week. Worried about missing school? Go through the school holidays. You won’t be able to build up a realistic picture of what an occupation is like by just reading a brochure.

Be flexible and ready for change: You will change your career direction several times throughout your lifetime and you will work for different companies. You may also change your course or apprenticeship, drop out of study, work for a while, go back to study, drop out again, travel, pick up some TAFE study, work in different jobs….you don’t know what lies ahead in your future but be prepared to be flexible and resourceful.

For many people of your generation, it’s completely normal. Most importantly, speak to the people who know you best. They will be able to advise you well and support you throughout your journey.

Resources: Use the key websites listed on the last two pages of this newsletter to start researching your options. Make your career adviser a key person in your journey – they will be able to suggested careers and courses you would be suited to, and make the complex seem simple.

Are you applying for a course at RMIT? You may have to complete a selection task as part of your application. You can download a list of courses requiring selection tasks to be completed at this link: http://bit.ly/2aRrgup

Changes to the mathematics requirements for RMIT courses: RMIT has just announced changes to the mathematics requirements for the courses below. From 2017, any Unit 3-4 mathematics will be accepted, www.rmit.edu.au

- Bachelor of Pharmacy (Honours)
- Bachelor of Environmental Science
- Bachelor of Environmental Science/Bachelor of Business Management
- Bachelor of Environment and Society/Bachelor of Environmental Science

VTAC Information Week at Swinburne University: If you are interested in applying for courses at Swinburne University you can book in a one-to-one appointment with a course adviser between 22 – 26 August. Parents are welcome. For information and to book a time, go to http://bit.ly/2aRrUbw

Passionate about business and entrepreneurship? The Ducere Business School has just announced a new initiative called the Global Game Changers Program. The program will be headed by Ducere Chancellor the Hon Julia Gillard. Students will:

- Study the Bachelor of Entrepreneurship, which is fully accredited by the University of Canberra
- Gain two global university experiences with course components based in the US and the developing world
- Learn from hundreds of world leaders from Presidents and PM’s to Nobel Laureates, CEOs and entrepreneurs.
- Complete the degree in two-years via online learning.

Students can apply for HECS-HELP. For information, go to http://bit.ly/2bubAmu
### AUGUST

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<td>13 – 21</td>
<td>National Science Week, <a href="http://www.scienceweek.net.au">www.scienceweek.net.au</a></td>
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### SEPTEMBER

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### SATURDAY 20 AUGUST


### SUNDAY 21 AUGUST

- Deakin University, Geelong, [http://bit.ly/1N0i0kr](http://bit.ly/1N0i0kr)

### SATURDAY 27 AUGUST


### SUNDAY 28 AUGUST

- Deakin University, Burwood, [http://bit.ly/1N0i0kr](http://bit.ly/1N0i0kr)
Myfuture: students will be able to explore courses, occupations, take a mini career quiz and an entrepreneurship quiz, and develop job-seeking skills, https://myfuture.edu.au/

The Good Careers Guide: You can search over 400 different occupations narrowed down by the field or type of work you would like to do in the future (e.g., helping/advising), http://bit.ly/2a7Qr0Z

Good Universities Guide: You will be able to find courses, compare university ratings, search for scholarships and explore careers, http://bit.ly/1N6a3Pk

Australian Apprenticeship Pathways: You will be able to undertake apprenticeship aptitude tests, find local apprenticeship and group training centres, and learn about different trade occupations, www.aapathways.com.au/


Careers Test: You can explore occupations based on your personality type. To take the test, go to http://bit.ly/2aGkVD4


Careers in Horse Racing: http://bit.ly/1Pfx4xW

Rail Careers: http://railcareers.net.au/


Career Harvest: Careers in Agriculture, Food and Fiber, http://bit.ly/1f0m8jW

Rural Careers Australia: You can explore careers in agriculture, horticulture, animal care and land management, www.ruralcareers.net.au/

Maths Adds: view career profiles of people working in interesting maths careers, and also find out about how maths is used in careers such as hairdressing, building and nursing, http://bit.ly/2anSARy

Maths: make your career count: explore careers in mathematics such as electrician and meteorologist, http://bit.ly/1WWajoe

My Skills: You can search for and explore vocational courses across Australia, learn about in demand jobs and watch videos of young people who have completed vocational training, http://bit.ly/1D8uek7


QILT: You can compare independent student ratings about different universities and courses, www.qilt.edu.au


