

Year 10 Future Finder Day: Faculty Taster Sessions



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Outreach & Pathways

4 - 6 JULY 2018

Students are to register their attendance for the Year 10 Future Finder Day online by **Wednesday, 27th June 2018** at:
www.uow.edu.au/in2uni-myway/year10programs

The below information refers to the 'pair' of Faculty Taster Sessions you are able to allocate when choosing your two preferences on the registration form. Please note- not all sessions are on offer every day. Refer to the registration form for your school's options.



A 'Taste' of Geography

UOW Social Sciences

Break out of the lecture theatre and join us on a campus-wide food safari. The food and drink we consume everyday not only gives us energy to move about, but can tell us a lot about the world around us. The provision of food and drinking water is integral to the planning of houses, suburbs, cities and the countryside. All our food comes from somewhere and requires a range of technologies, energy and materials to get it to your dinner plate. As we move about the campus you will be invited to taste a variety of foodstuffs to talk about what insights they reveal about environments, societies and cultures.



Action in the Photography Studio!

UOW Law, Humanities and the Arts

This workshop will encourage you to play with lighting, composition, and movement to create whacky photographs in a studio. Work with a group to pose and capture moving human sculptures in this fun and experimental creative experience!



Bootcamp

UOW College

Test your grit with UOWC's bootcamp! In this session participants will practice dynamic stretching, running, interval training, push ups, sit ups, yoga, weights and will learn all about nutrition. Through the bootcamp challenge, your goal is to become UOWC'S Boot Master.



Computers, Cameras and Pixels

UOW Engineering and Information Sciences

Since taking over from traditional cameras, digital cameras are now a staple in our phones and tablets. But how do these cameras work and how are the photos that are taken presented on our screens?

This workshop explores digital images and their creation, use and storage. We will look into the process of capturing light and pixels, and how this is converted to our digital screens.



Early Childhood- A Day in the Life of an Educator (TAFE)

TAFE

Do you love children? Have you always dreamed of working in early childhood education and care? If you answered yes, then this is for you! Find your pathway with an industry sector currently experiencing a skills shortage, especially in NSW and Queensland, with nearly 70% of child care centres finding it hard to find qualified staff. Discover the life of an Early Childhood Educator through interactive Apps, paint, play dough, construction and science experiments.



A Time Traveller's Guide to Earth's History

UOW Science, Medicine and Health

The geological timescale is one of the major achievements of geoscience over the last two centuries. The timescale subdivides the 4.6 billion years since the planet formed into a series of time units (e.g. Jurassic Period). Rocks, and particularly the fossils within them, have been compared across the world to work out their age relative to each other. Learn about how this international standard timescale allows geoscientists to determine the ages of events in Earth history and so understand the evolution of the planet from its formation to the present day.



An Hour of Code

UOW Engineering and Information Sciences

Use coding program Python to create your very own adventure game.



Chemistry of Metals: Corrosion and Colour

UOW Science, Medicine and Health

Metals are particularly prone to undergo redox reactions. We utilise these reactions everyday; to store electricity in batteries, to plate items of jewellery and sheet metal for construction, and in the processing and production of metal from mineral ores, just to name a few. In this lab, we'll look at the differences in reduction potential of a few elements, and also how colour can change with different oxidation states in a metal.



Diversity of Freshwater Organisms

UOW Science, Medicine and Health

Freshwater invertebrates may be found under rocks, beneath the soil, clinging onto algae and reeds, or swimming through the water column. Students will be given a field sample taken from one of UOW's ponds and streams, and their task is to identify as many species as possible



Facebook Fairy Tales: Defamation & Social Media

UOW Law, Humanities and the Arts

You be the judge: which famous Fairytale celebrities are telling the truth? We provide case facts - you provide the verdict! Learn how to analyse facts, just like you would if you studied a law degree at UOW.



Food For Thought

UOW College

Participants will engage in a variety of food prepping activities with a focus on how to make HEALTHY food interesting for children.



From Revelations to Revolutions and Selfies – the Camera and Society

UOW Law, Humanities and the Arts

Since its inception the camera's "gaze" has been evolving and transforming the way we see the world but also the way it understands the world. This session interacts with the historical odyssey of still and moving pictures from revealing things we didn't know and transforming our societies, to the seamless flow of imagery across our contemporary screens. What has your camera seen?



Hospitality - Cocktails and Careers

TAFE

Discover the art of mixing the perfect mocktail or master foaming silky milky for the perfect coffee, all while you find the right mix of skills, experience, and qualification, you need to have an exciting career in this huge growth industry anywhere in the world. From producing fine cuisine to organising the perfect events – to the endless rewards of helping someone have the holiday of a lifetime – unleash your creative, organisational and people skills.



Introduction to the Recording Studio

UOW Law, Humanities and the Arts

This hand-on session will introduce students to the music recording process. Using the studio's microphones, synthesisers and processing equipment, students will get an introduction to the modern recording studio and have the chance to make their own music in the process.



Managing People: A look at ethical dilemmas

UOW Business Faculty

A fun and interactive session looking into some of the key challenges managers and workers face every day. Through this session, you will discover some of the major study areas within the management sector, with a specific focus on human resource management.



Mental Myth Heads

UOW College

Test your knowledge on mental illness and wellbeing. Participants will engage in an interactive game-based session on mental health, casting aside any myths or stereotypes. Featuring a session on self care and mindfulness, Mental Myth Heads gives you the chance to learn about keeping well when working in a challenging industry.



Oh Dear! Humpty Dumpty had a Fall..

UOW College

Interested in aged care? This hands-on session will see you getting an individual back on their feet after a fall. From taking vital signs and checking blood pressure, to applying first aid and looking for cuts and bruises. You'll gain a better understanding of assisting individuals who may require acute care or have behaviours associated with dementia, and you'll learn how to support others safely.



Psychobabble: Let's talk about Psychology

UOW Social Sciences

This session will address misconceptions of psychology, as presented in the media, as well as discussing the work that psychologists actually do.



Get Creative! Music

UOW Law, Humanities and the Arts

Workshop in which students take part in creating and performing musical games!



Information Technology - Turning your virtual fun into a career

TAFE

Take your passion for gaming and turn it into opportunities to work in the new and emerging games genres such as online game development, mobile device gaming, interactive internet and TV game development. Experience computer games developed by TAFE NSW Gaming Diploma students to explore logic and game space rules.



Journalism- It's a Changing Thing

UOW Law, Humanities and the Arts

What is journalism in the digital, social and mobile world. This session will explore the new methods being used to deliver journalism to expanding, changing and challenging audiences.



Mechanical Engineering

TAFE

There are many kinds of engineers. Some create things that are so small they can only be seen with microscopes. Some make things we use with our hands every day such as mobile phones and laptops. Others build big – designing cars, planes and skyscrapers! Get an introduction to metal fabrication and welding and its pathway to a degree in engineering. You will be shown various metal cutting, welding and bending machinery as well as a hands on experience through the latest technology of an augmented reality welder.



Never Again: How can we stop genocide?

Faculty: Law, Humanities and the Arts

Whether in Myanmar, Syria, or South Sudan, today we are confronted by the spectre of genocide and other mass atrocities. What can we do to stop this? In this session, we'll talk about some of the legal and institutional mechanisms that have been created to stop these crises. But we'll also look at how popular campaigns and in particular student mobilization and advocacy has helped to shift world opinion. (Please note: Material covered in this session may be of a sensitive nature to some students)



Power Tower!

UOW College

You'll work together to build the tallest free-standing tower, just keep in mind that time is ticking, resources are low, cost is high and everyone around you is your competition! In this session participants will learn about Business, Project Management, Human Resources, Marketing and Leadership through a fun interactive challenge that culminates in everyone eating part of their creation.



Seeing the Light: Exploring light & the electromagnetic system

UOW Engineering and Information Sciences

What causes things to give off light, and how can we use light to learn more about the structure of objects and what stars are made of?

Take part in a series of hands-on experiments to find out more. Let Physics illuminate the way you see everything.

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Slime & Snow

UOW Engineering and Information Sciences

A hands-on introductory to Materials Engineering through making snow and slime



Teaching: Influencing Lives Everyday

UOW Social Sciences

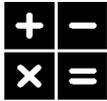
School teaching is one of the world's most important and influential professions. Are you someone who loves working with children? Who enjoys variety in their day, and who would not mind being a lifelong learner? If you like a challenge, are resilient, patient and kind. You may be a future educational rock star... and this session is for you!



The Dark Side of the Fashion Industry

UOW Business

How far do clothing companies go to make a profit? A look into the unethical business practices of the fast fashion industry. Learn about how companies can be socially responsible in the international business world.



The Magic of Maths & Stats

UOW Engineering and Information Sciences

Investigate different branches of Mathematics and Statistics through guided interactive activities.

Find out all the weird and wonderful things Mathematics and Applied Statistics graduates do to make a living, and discover why being a mathematical scientist is such a good gig!



Tour of the Human Body

UOW Science, Medicine and Health

The human body is both incredible and complex.

In this session, students will work with skeletons and anatomical models to learn more about how human bodies work.



So Far From Home: Australian war graves at Gallipoli

UOW Law, Humanities and the Arts

In this session, students will focus on the creation of Australian war cemeteries at Gallipoli after the end of the war and how families responded to the Government's request to provide an inscription to be chiselled into the headstone for their soldier. What did they choose to say? What can their words tell us about the grief of Australian families who were tasked with commemorating a loved one in a grave on the other side of the world, and one that they themselves would most likely never see?



Tertiary Preparation Course- Another way to get to university

TAFE

Do you want to go to university but need to gain entrance qualifications or be more prepared before you do? Well a TAFE NSW to university pathway is the answer! You can also use your TAFE NSW training and qualifications towards your degree, so you can start at a more advanced stage. Find out more about the alternative way to University while discovering the things that go whiz, bang and pop in the wonderful world of science!



The Impact of the Early Years

UOW Social Sciences

This session will outline the importance of the early years of a child's life, the role of an early childhood education and care service, and the importance of high quality teachers.



The Marketing Mix: How to Make People Buy Our Products

UOW Business

How do companies decide who they will sell their products to? How much will they sell them for? How will they market them?

A look into the different marketing methods used to sell popular products to consumers.

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