



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

—
Outreach & Pathways

Early MINI Learning Labs Workshops

JULY 2018

YEARS 3 & 4 WORKSHOPS



Bright Sparks- Exploring Electricity

Presenter: Lorna Jarrett

11th July

In this hands-on workshop we will explore different ways of generating electricity - learning about the links between electricity and magnetism, chemistry, and light.

We'll learn what current and voltage mean - and how to measure them. We will explore ideas of electricity - from the subatomic scale all the way up to giant power stations!

We will build and test some different types of electric circuits - and use electricity to make light, sound and movement in the lab.



Fantastic Beasts & How to Create Your Own

Presenter: Shelley Webster

11th July | 12th July

Do you often dream about the fantastic beasts and mythical creatures that may well live among us? If so, this workshop gives you the opportunity to create your own!

This is a hands-on workshop where you will use your imagination and creative skills to design, draw and sculpt your very own mythical creature. You will learn about the process of creating imaginary creatures, combining animal science with artistic imagination, whilst developing your artistic skills.

You will get the opportunity to present your work in an exhibition at the end of the day and take your creations home!



Because of Her, We Can- An Aboriginal Cultural Experience

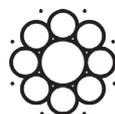
Presenter: Lani Balzan

11th July

Join Lani for an exploration of the oldest living culture in the world. Lani is an award winning Indigenous artist and a proud Wiradjuri woman from the three rivers tribe.

This workshop will focus on the NAIDOC theme, "Because of her, We Can". Students will be given the opportunity to discover more about Aboriginal culture and cultural artworks, as well as, creating some of their own artworks on boomerangs, learning about traditional paintings and much, much more!

We will be learning about the use of ochre and painting our faces. This workshop is not only a fantastic cultural experience but a wonderful opportunity to create your own amazing artworks!



Pattern Paradigm

Presenter: Chantel Ward

11th July

Have you ever noticed patterns of numbers on the annual calendar? Have you ever been given a number trick and wanted to know the pattern of why it is successful?

Attending the Pattern Paradigm Learning Lab will allow you to investigate the patterns which exist in places like our calendar and explore the world of the humble number trick. After identifying some basic numeracy skills, you will explore simple problems to identify patterns and then extend this into their own tips and tricks to share with family and friends.

Bring along your puzzle problem-solving brain for this experience.

YEARS 5 & 6 WORKSHOPS



Mind the Gap, Gap the Mind

Presenter: Yiren Yang

11th July

For every researcher or scientist, no matter how many things they know, there is always more questions than answers. It's very important to think outside the box and dare to think the "unthinkable".

This workshop will challenge students to think scientifically/logically/ reasonably. Starting with a simple paper strip, students will be challenged with common research procedures (observation, investigation, reasoning, questioning, discovery). Some research ideas or paradox will be introduced (i.e The Chinese room, Schrödinger's cat, Hilbert's Hotel). Students will also explore and discuss popular concepts from around the world and develop their own questions of interest.

If you are looking for a new perspective to study and how to understand our world, this is the workshop for you...however, proceed with caution!