

Learning Labs Workshops

LIVERPOOL OCTOBER 2018



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Outreach & Pathways

1 DAY YEAR 7-10 MINI-LABS: OCTOBER 3RD OR 4TH



Dance Performance & Composition: Contemporary & Hip-Hop Styles

Presenter: Krystle Te Tai

The Choreographic workshop provides you with the unique opportunity to develop your choreography skills under the guidance of professionals. You will experience new ways to generate interesting movement, develop materials for solos, duos and groups, and build your confidence and creativity in composition.

At the end of this workshop, you will have a better understanding of such things as the effects of lighting, sound, costuming and prop use in dance performance, manipulating the elements of composition, and how to add integrity to the development of public performance.



E-Textiles & Flashy Fashion

Presenter: Shea Bromley

Calling all lovers of fashion and electronics! E-textiles is the process of adding electronics into textiles items through conductive fibres and small batteries.

Gain insight into the future of fashion and it's influence on society, how seemingly simple clothing items have changed in the 21st century and how they could potentially save lives.

In this one day hands-on workshop, you will merge the past with the future by combining traditional textiles techniques, such as hand stitching and applique, with LED lights and batteries to produce a small textiles item.



Electronics, Sensors & Arduinos

Presenter: Timothy Gwan

Are you interested in learning to design and build electronic circuits? Do you want to learn how to program different types of sensors using a microcontroller?

In this workshop you will learn about different components found in DC circuits, how to read circuit diagrams and build simple circuits on breadboards. Working in small groups you will design and program a device that uses multiple sensors (temperature, magnetic, vibration, light and tilt) for a real-world application of your choice using codes and an Arduino.

2 DAY LEARNING LABS: OCTOBER 3RD & 4TH



Forensic Files

YEARS 7-10

Presenter: Jeanelle Karagiannis

This is a fun, intensive workshop which delves into the Science behind Forensics.

Through teamwork and experimentation, you will learn the different techniques that are used to solve crimes every day. The branches of chemistry, biology and physics will be explored and applied throughout the workshop and ultimately in a final investigation where you will use all of these new found skills to identify the culprit behind a mystery.



The Great Debate

YEARS 7 & 8 ONLY

Presenter: Shalla Kang

Do you want to learn to duel with words? To engage in a battle of wits and construct clever arguments? Then debating is for you.

In this workshop you will build on your public speaking and debating skills, learn how to put together a debating model, create clever arguments and shut down your opposition with witty rebuttal. You will learn to speak with passion and persuasion.

You will learn to enjoy working as part of a team where everyone contributes ideas and you will learn the sportsmanship of debating, where the most important thing is not winning but the enjoyment and intellectual stimulation of a great argument.