

Learning Labs Workshops

BATEMANS BAY OCTOBER 2019



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

—
Outreach & Pathways

2 DAY LEARNING LABS WORKSHOPS (YEARS 7 & 8) - OCTOBER 2ND & 3RD



Mixing up the everyday

Still Life draws upon objects from everyday life as a launch pad for creativity and expression. Immerse yourself in a workshop that offers a fun and relaxed drawing environment for anyone who loves to draw, or would like to learn how to draw.

In this workshop students will explore drawing and the possibilities that a variety of drawing media offer. Working from an exciting and colourful “Still Life” set up, in a studio environment, students will be encouraged to work spontaneously and loosen up their drawing skills. You will use a combination of ink, paint, pencil, pastel, crayon and collage on a range of different surfaces as they work towards a dynamic mixed media composition.

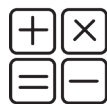


Things that Go Bump in the Night: Reading and Writing Vampires and Werewolves

Vampires and werewolves have long been creatures of fear and fantasy, but the rules around their powers and behaviour change as new authors and directors work with these characters.

In this workshop, we will look at how vampires and werewolves have changed and developed in works from Polidori’s Vampyre and Stoker’s Dracula, through to Buffy, Twilight, The Vampire Diaries and Teen Wolf. Workshop participants will then undertake both analytical and creative writing tasks, applying their new knowledge of these mythological “rules” to critique and create characters who quite literally run both hot and cold.

2 DAY LEARNING LABS WORKSHOPS (YEARS 9 & 10) - OCTOBER 2ND & 3RD



The Mathematics of Cryptology

Secure information is essential to winning any battle. Encrypted messages were first used thousands of years ago, and mathematicians have been trying to break these encryptions ever since. The methods for encryption have gradually become more and more complex, and the mathematics required to break the codes have had to keep up - the first computers developed were created to break encryptions (Alan Turing’s “bombes” which broke the Enigma machine’s encryption).

This learning lab will introduce you to some encryption methods and the mathematical techniques required to break these codes, and you’ll be encrypting and decrypting your own messages. We will also focus on modern RSA encryption, which uses large prime numbers and modular arithmetic to keep your data secure online. You’ll learn exactly how and why it works - and why we can’t break these messages. Yet...



A Musical Masterpiece

The world around us is full of music. Not just birds singing and cars honking!

In this vibrant 2 day workshop students will use “objects” at hand and recordings from nature to create a symphony. Using “clarinets” made from carrots, the sweet awakenings of chick peas and the songs of cicadas, student’s will create a musical masterpiece that will surprise!

Led by “Barny” Barnbrook, a musician and music teacher with more than 40 years of experience. He invites family and friends to see the final performance at the end of the second day. No previous experience is required, just enthusiasm to experiment with sound!