



UNIVERSITY
OF WOLLONGONG
AUSTRALIA



Early Learning Labs

Years 3 and 4

2 DAY WORKSHOPS

6-7 JULY 2021

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CREATIVE CODING WITH SCRATCH

PRESENTER: DEVIKA | NON-STANDARD FEE \$200 CK

Learn the basics of an essential and in-demand 21st century skill - coding. Scratch is a type of coding that can be used to program interactive stories, games and animations and this workshop will get you started with the basics. Learn how to code, work in teams and make creative solutions to problems.

FANTASTIC BEASTS & WHERE TO FIND THEM

PRESENTER: THEA STONEMAN CK

Inspired by the Harry Potter book of the same name, this workshop will explore magic and mythological creatures from around the globe, culminating in participants creating their own fantastic beast.

HOW TO WIN AN ARGUMENT - DEBATING & PUBLIC SPEAKING

PRESENTER: BRODIE KNOX CK

Arguments are made with some talent, but mainly skill. Like everything, it takes practice & lessons, but it's the best skill to have in a classroom or on the playground. Learn how to express your thoughts, how to grab people's attention, and how to know which arguments you can win. Warning: It won't be the arguments against your parents, they know how to change the Wi-Fi password.

INTRO TO 3D DESIGN

PRESENTER: LOST NIGHT STUDIOS CK

Do you like lego? Designing your own creations and building them? In this class, you'll be introduced to the world of 3D Design! With these skills, you'll learn to design and create anything you can imagine using nothing but a computer! You'll learn to create physical prototypes, before using Mecabricks to bring your designs to life. Bring along a USB if you'd like to save your work at the end of the day.

MATHEMATICS FOR THE ABSURD

PRESENTER: DAVID JACQUES

We all know maths makes sense. $1 + 1$ will always = 2. Did you know though that there is another side of maths? In this workshop, we will help you discover that secret side! Be prepared to work with the impossible, the illogical and the indescribable world of mathematics!

MIXED MEDIA COLLAGE

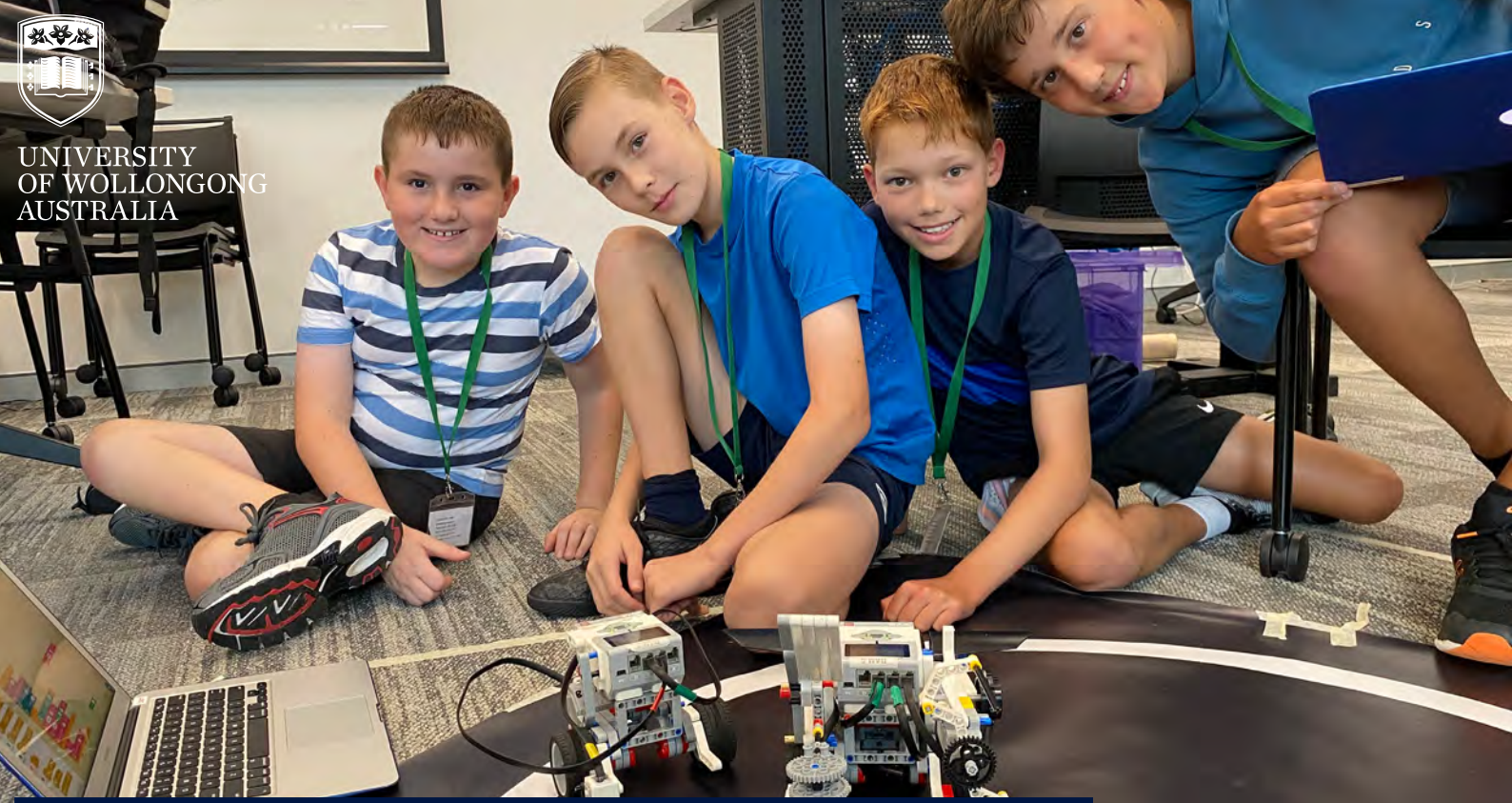
PRESENTER: DENIZ AHISHALI CK

Want to make art but can't decide which medium to use? Why not try an assortment in our Mixed Media Collage workshop which is all about experimentation and layers (lots of layers!) in a fun and relaxed environment. Collage is a form of 'process art', which means the focus is on the process of its making, and this remains as a feature of the completed artwork. Mixed media collage inspires creative thinking and is an opportunity for exploration and self-expression.

PAINTING WITH CODE

PRESENTER: ALANNA VIAL CK

It's a cross between art and coding - so it's time to get creative! In this workshop you'll combine the two to design a beautiful artwork using code in just 1 day. You'll learn about functional coding, loops, conditional statements, data types and many more coding concepts. You'll also learn magic tricks, play Potato Pirates and gain skills to succeed in the 21st century!



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SOLVE THE MYSTERY: MISSING CARTON OF MARS BARS PRESENTER: DEBORAH AUSTIN

Calling all Super Sleuths! We need your skills to solve the mystery - numeracy, literacy, investigative and observational, scientific, problem solving and reasoning, the works! If you have what it takes, join our team to examine the evidence, follow the clues and find out who did it!

SPIKE ROBOTICS PRESENTER: KERRY PYLE | NON-STANDARD FEE \$200 CK

Spike Prime is Lego's brand new robotics set. You and your partner will work get to design and build lots of different machines and mechanisms and perform fun and crazy challenges. Spike uses Scratch based coding, making it easy to program its multiple sensors and motors. You will get to use loops, conditional operators and variables and build using gears, linkages and pulleys. Bring your imagination to life!

STUPENDOUS SCIENCE PRESENTER: VINEETA

Be prepared to delve into the wonderful world of science! Whether it's reactions within food (baking/cooking) or experimenting to prove or disprove common myths in the world of science, this workshop has it all! We'll be exploring the world of cooking in relation to scientific reactions and looking at various scientific experiments in order to prove or disprove their validity.

THE DROID BUILDING SCHOOL PRESENTER: GERARDO MONTOYA GURROLA

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Have you ever wondered how robots work or communicate? This is your opportunity to learn to communicate with robots and teach them to develop tasks, learn to assemble, program and use sensors. Nobody knows but maybe you are the next Tony Stark or a Jedi droid builder. In this workshop you will learn the true use of mathematics and science while navigating in virtual worlds and using real competition robots to prove that your design is the best. We will be using Vex VR Software, no need to bring your devices as you'll be working in one of UOW's computer labs. Are you ready for the challenge?

WELCOME TO HOGWARTS PRESENTER: HELEN DUDENEY

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Professor Dumbledore and the other professors at Hogwarts invite you to spend two days with us taking part in a wide variety of Special Lessons involving, art, writing, drama and creative building. You are welcome to come dressed as your favourite student

We will visit Diagon Alley to collect our wizarding materials and get sorted by the sorting hat into your house (not necessarily the house you expect - the sorting hat knows best!). There will be classes in Transfiguration, Potions & Charms and herbology. The trivia challenge will give you a chance to impress us with your knowledge of Harry Potter (1st Book /Movie). All you need is your imagination, your creativity, your great ideas and to be prepared for fun and excitement.

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1 DAY WORKSHOPS

6 JULY 2021

AN INTRODUCTION TO PROBLEM SOLVING: CHESS
PRESENTER: JOHN FINLAYSON

Have you ever wanted to be the best at games, learning how to get ahead using strategy and tactics? In this class, students will be challenged to learn quickly how they may improve their game, while appreciating the ancient game of chess. For this workshop it is expected that you have a prior knowledge of the game, understand what each piece is and how they move on the board. The concepts covered will include; sportsmanship, appreciation of the game, defence, offence, problem solving, and learning techniques.

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8 JULY 2021

A DAY WITH HARRY P.
PRESENTER: LYNDAL REID

Professor Dumbledore is inviting you to spend a day at Hogwarts! Dress as your favourite Harry Potter student as you take on special lessons in art, writing, drama and creative building. You'll visit Diagon Alley, be sorted into your house by the sorting hat, play trivia (1st book/movie) and take classes in transfiguration, potions and charms, and herbology!

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COMIC CHARACTER DESIGN
PRESENTER: MARCELO BAEZ

In this workshop you'll be working with Marcelo Baez, a professional illustrator and comic artist. Marcelo will help you create your own fantastic comic characters. You'll learn fun techniques to create interesting and compelling comic characters in any style.

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8 JULY 2021

CREATIVE CODING WITH SCRATCH
PRESENTER: DEVIKA NON-STANDARD FEE \$100

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SPHERO TO HERO
PRESENTER: PATRICK DE VUONO

Have you ever wanted to program and control your very own robot? Now you can take your first steps into the world of coding and robotics by working with a Sphero Bolt robot. Learn how to operate the Sphero Bolt through a series of different games and activities on your own and in teams. The fun ranges from school yard games, to races and even underwater challenges - the possibilities are only limited by your imagination!

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Email us
learning-labs@uow.edu.au

Give us a call
02 4221 5557