

## UNIVERSITY OF LIMERICK

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FRI | 11 NOVEMBER

### Braintastic! Science – That's Non-Sense Show 1

Explore the wonderful world of our senses, and the tricks they play on us. Think you see with your eyes and taste with your tongue? Ever wondered why you get dizzy when you spin? How many senses do you even have? Prepare to be amazed and confounded by sensory and optical illusions. BOOKED OUT

University of Limerick | Invitation only

FRI | 11 NOVEMBER

### Braintastic! Science – Hack Your Brain Show 2

A whirlwind introduction to the brain and nervous system! Packed with memorable large-scale demos, you'll create a giant neuron live on stage to explore how nerve cells communicate. Then, watch as we hijack those signals to control someone's movements (preferably a teacher!)! BOOKED OUT

University of Limerick | Invitation only

SUN | 13 NOVEMBER | 12 – 3PM

### Animal Magic Show P

An interactive presentation and hands-on experience involving live animals, something you do not get at the Zoo. Rosie Campbell introduces participants to a variety of creatures, we learn about their lives and the importance of habitat protection.

University of Limerick

SUN | 13 NOVEMBER | 12 – 3PM

### Bees, a Friend of our Future P

What is happening our Bees? Bees may be responsible for one out of every three bites of food we eat. But Bee populations are in trouble. How can we preserve and protect these pollinators? Learn about the life of Bees and get to visit UL's Apiary.

Talk | University of Limerick

SUN | 13 NOVEMBER | 12 – 3PM

### It's all in the Mushrooms P

Learn about riverside trees and plants, fungi – toadstools, insects, creepy crawlies and much more in this interactive display.

Demonstration | University of Limerick

MON – FRI | 14 – 18 NOVEMBER

### Fantastic DNA in a Box – Cell Explorers Workshop 1

Hands-on science session of cellular and molecular biology designed for pupils to practice science and see where it fits into their own lives. Through the use of pre-packaged materials (provided by UL) and online support, teachers can run the session either alone or through online live workshops. BOOKED OUT

Live online interactive presentation | Sessions will also run at the University | Booking essential

TUE | 15 NOVEMBER | 1 – 2PM

### A Fast-track “Route to Net Zero for Ireland” 2 P

Professor Julian Ross and Professor J.J. Leahy (RTE's What Planet are you on?) will present on Sustainable Energy, addressing the sources and uses of energy and the problems of greenhouse gas emissions.

Climate Change lecture | University of Limerick

TUE | 15 NOVEMBER

### Powering Sensors without Batteries 2 3 P

Dr Valeria Nico, School of Engineering and Bernal Institute - Have you ever wished you didn't need to replace batteries or charge your electronic devices constantly? Around us there is a lot of energy that can be converted into electricity to power small devices like sensors sustainably.

Public Lecture

TUE | 15 NOVEMBER

### Crystal Drop Workshop 2

This workshop asks students to design and build a device that will protect a sugar cube crystal from being destroyed when it is dropped from a height.

University of Limerick | Booking essential BOOKED OUT



TUE | 15 NOVEMBER | 11AM

### Minding our Birds and Bugs 1

We will discuss the animals that are in our surroundings and how they are being impacted by changes in the environment, and simple ways we can help out our birds and bug friends, plus a hands-on session building a simple bug motel. BOOKED OUT

Workshop | University of Limerick | Invitation only

TUE | 15 NOVEMBER | 9.30 – 10.30AM

### Planet Science – Life Cycle of a Bee 1

Children gain hands on scientific experience exploring the science of SWARMS, how bees stay in their Hive and Why bees are important to nature. BOOKED OUT

University of Limerick | Workshop | Invitation only

TUE | 15 NOVEMBER | 10.45 – 11.45AM

### Planet Science – Rocket Launch 1

Children gain hands on scientific experience exploring the science of Rockets. BOOKED OUT

University of Limerick | Workshop | Invitation only

TUE | 15 NOVEMBER | 12 – 1PM

### Planet Science – Volcanoes and Climate Change 2

Children gain hands on scientific experience exploring the science of volcanoes and climate change. BOOKED OUT

University of Limerick | Workshop | Invitation only

WED | 16 NOVEMBER | 10AM & 11.30AM

### Dj Euclid! Turntables, Numbers and Computer Music 2 P

We will use digital turntables and “fruit-pianos” to control synthesizers, music software and make music by numbers! The workshop is open to everyone: second level students, adults, aliens...

Workshop | University of Limerick | Booking essential

WED | 16 NOVEMBER

### The Amazing Cosmos! 1 2

Robert Hill, ESA and Director of the Northern Ireland (NI) Space Office - This 3D presentation and lecture will highlight some of the amazing discoveries we have made about our own Solar System and out into the interstellar space and the Universe beyond.

University of Limerick | Booking essential

WED | 16 NOVEMBER | 9.30AM, 11AM & 1PM

### Go Fly Your Kite STEAM Workshop 1

How do things fly? Why do things need to fly? We discuss gravity and aerodynamics, you will get to make your own paper aeroplanes, fly them and discuss why shape and design is so important in aeronautics. BOOKED OUT

University of Limerick | Booking essential

THU | 17 NOVEMBER

### Gross Germs and Bizarre Bacteria: Make & Take Anti-bacterial Hand Gel 2

Did you know that something as simple as washing your hands or using a disinfectant anti-bacterial hand gel can keep you safe? Come and join us to learn how to make and take home your own anti-bacterial hand gel and learn about all types of bacteria; the good, the bad and the REALLY ugly!

University of Limerick | Booking essential BOOKED OUT

THU | 17 NOVEMBER | 7PM

### Science Career Information Evening 2 T P

Past science students will present on their experiences in school and college, their programmes of study, work experience and their careers to-date.

University of Limerick

THU | 17 NOVEMBER | 11AM

### The Science behind a Successful Athlete 2 T

Get a “taster” to each of the disciplines within Sport Science in workshops like measuring underfoot forces during walking and jumping, exploratory science lab, measuring reaction times and visual cognition, performance needs analysis in elite sport.

PESS Building, University of Limerick | Booking essential BOOKED OUT

THU | 17 NOVEMBER | 7PM

### Getting Active for Better Aging 3 T P

Public lecture on exercise and health for Active Aging. Suitable for all ages.

PESS Building, University of Limerick | General Public

FRI | 18 NOVEMBER

### Chemistry Magic Workshop

Dr Peter Davern, UL Senior Lecturer reveals Flames, Flashes and Frozen Flowers to you in an EXPLOSIVE show working through the most exciting science demonstrations to showcase the WOW in Science.

Limerick City | Invitation only BOOKED OUT

FRI | 18 NOVEMBER

### Animal Magic Show 1 2

An interactive presentation and hands-on experience involving live animals, something you do not get at the Zoo. Rosie Campbell introduces participants to a variety of creatures, we learn about their lives and the importance of habitat protection. BOOKED OUT

University of Limerick | Booking Essential

FRI | 18 NOVEMBER

### Interactive Hands-on Chemistry Magic Show 2

Dr Sarah Hayes, SSPC and UL. Flames, Flashes and Frozen Flowers is an EXPLOSIVE show working its way through the most exciting science demonstrations to showcase the WOW in Science. BOOKED OUT

University of Limerick | Booking Essential

SUN | 20 NOVEMBER | 11AM & 2PM

### Fab Lab – Sunday: Let's Laser Cut a Dinosaur! 1

Fab Lab Limerick would like to invite kids from ages 6 to 9 years to make some dinosaurs using everyday craft materials and laser cutting. Under the guidance of the Fab Lab team, we will assemble a variety of kits and you will be able to take home your dinosaur!

Fab Lab, University of Limerick City Centre Campus | Booking essential

SUN | 20 NOVEMBER | 1 – 2.30PM

### Fab Lab – Sunday: Make your own Circuits! 2

In this workshop, you will learn some soldering and how to use it to build your very own electronic game! You will be provided with all the necessary equipment and materials. Experience not necessary, but parent participation is required.

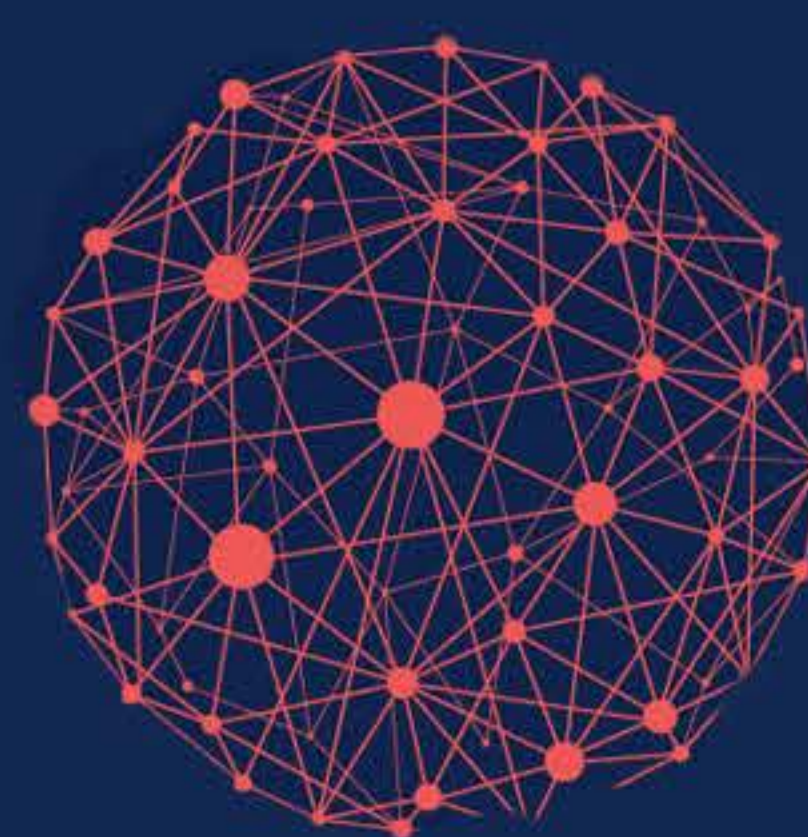
Fab Lab, University of Limerick City Centre Campus | Booking essential

For further information and booking please email: [scienceweek@ul.ie](mailto:scienceweek@ul.ie) or [Maria.C.Barrett@ul.ie](mailto:Maria.C.Barrett@ul.ie)

LIMERICK

FESTIVAL OF SCIENCE

13 – 20 NOVEMBER 2022



UNIVERSITY OF LIMERICK  
OLLSCOIL LUIMNIGH

Science and Engineering