# Science Magic Show in the City of Limerick - Dr Peter Davern

Flames, Flashes and Frozen flowers is an EXPLOSIVE show working its way through the most exciting science demonstrations to showcase the WOW in

Venue: Workbench Space, Bank of Ireland, O'Connell St, Limerick City

1 2 P

# SUNDAY 12TH

# Secrets of SuperHero Science

Have you ever wanted to have superpowers? Have like the Invisible Woman, the ability to control the weather like Storm and more? All to be revealed at Ennis Community Centre, Chapel Lane.

Venue: Community Centre, Chapel Lane, Ennis, Co Clare



# Limerick

Hands on discovery of cellular and molecular biology session designed for primary school students to practice science and see where it fits into their

Venue: EGO-10. UL

BOOKED OUT

# How to build an Iron man suit

perhaps Tony Stark's Iron Man suit. Dr Barry Fitzgerald will present recent scientific & engineering advancements that have developed much of the technology in the suit. Aimed at Primary Schools.

BOOKED OUT

Secrets of SuperHero Science

Have you ever wanted to have superpowers? Have you ever dreamed of having the power and the strength of Captain America, or the power of near invincibility BOOKED OUT

Venue: 12pm - AD2-010, UL (Secondary) 7pm - Roxboro Centre, Limerick (Public)



# University of

Tel: (061) 202 700, Email: joanna.carroll@ul.ie

# MONDAY 13T

9.30am, 11am & 12.30pm

# Cell Explorers: Fantastic DNA Primary **School Workshops**

Venue: PESS Building, UL

to the Athlete.

10am & 12pm

This workshop gives participants a wonderful opportunity to try out different technology tools. In the superhero world, the greatest invention is You will get to write software, solve programming puzzles and work with Lego WeDo and

Venue: UL Tierney Building T3-013 BOOKED OUT

TUESDAY 14T

The Science behind a Successful Athlete

Get a 'taster' to each of the disciplines within Sport Science in workshops like The Physiology of an Olympic Cyclist, The Athlete Brain (Psychology), The Science of Skill Acquisition: From the Coach

# What's happening to our Bees Professor John Breen

Bees may be responsible for as much as one out of every three bites of food we eat. What happens if our pollinating insects disappear? Professor John Breen

ICT Technology Workshop

Venue: AD2-010, UL

BOOKED OUT

BOOKED OUT



# WEDNESDAY 15TH

9.30AM & 3PM

# **Animal Magic Roadshow**

Interactive presentation with hands on experience involving live animals, something you don't get at the zoo, we bring Nature to you.

Venue: UL Foundation Building

12P

# 10am, 11.30am & 1pm The Ugly Animal Roadshow - Simon Watts

Have you ever wondered why animals look like they do? Why nature determines some animals cute while others are really ugly in appearance? UK TV presenter Simon Watts will explain all in this fun show.

Venue: UL Analog Building

# **UL FameLab Science Communication Skills Competition**

Challenge for up and coming scientists, engineers, technologists and mathematicians to explain a complex idea in a clear engaging way to the public. Winners represent Limerick at the National Finals.

Venue: Belltable, Limerick



# The Role of Science in Modern Day Sport Performance

Evening session with **Rena Buckley**, GAA's most decorated female player having won 11 Senior All Ireland Football medals and 7 Senior All Ireland Camogie medals and **Bernard Dunne**, retired Professional Boxer and currently the High Performance Director for Irish Boxing with the Irish Athletic Boxing Association.



# THURSDAY 16th

10AM (Primary) & 12PM (Secondary)

# Science Magic Show - Dr Sarah Hayes

Flames, Flashes and Frozen flowers is an EXPLOSIVE show using the most exciting science demonstration to showcase the WOW in Science.

Venue: UL Analog Devices Building

# ICT Technology Workshop

This workshop gives participants a wonderful opportunity to try out different technology tools. You will get to write software, solve programming puzzles and work with Lego WeDo and Mindstorm Kits.

Venue: UL Tierney Building T3-013 BOOKED OUT

# Gross Germs and Bizarre Bacteria Workshop

Bad bacteria and gross germs are everywhere, 1,000,000,000,000 can live on one gram of poop 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!

Venue: EGO-10, UL

BOOKED OUT

# Science Graduate Career Public Information Evening in UL

The Faculty of Science & Engineering will host a public information evening on science programmes where UL science graduates will present on their experiences while in college and their careers to-date.
All welcome.

Venue: UL Analog Devices Building





# FRIDAY 17th

# 9.30am, 10.30am & 11.30am

# Head games: Fun Experiments about the Mind

A number of different fun experiments and activities will be set up at stations where participants will spend 15 minutes at each station, with ten students

BOOKED OUT Venue: Psychology Dept, UL

# 10am, 11.30am & 1pm

# 3D Space Show: **Bringing Outer Space to You**

Using our unique 3D technology and visualisation equipment our journey will bring us to the Space Station, back in time to see the beginning of the Solar System, and investigate what exists at the very

edges of the Solar System. Venue: UL Analog Devices Building 10AM & 11.30AM BOOKED OUT

# SATURDAY 18th

# Build your own siren whistle at Fab Lab Limerick

Fab Lab, Ruthland St, Limerick would like to invite young people to learn how to use laser cutters and build a device that uses cool physics to produce loud

Venue: Fab Lab Limerick, No 7 Rutland Street 2

# Café Scientifique in the City: Science of Aircraft Design - Dr Ronan O'Higgins

Have you ever wondered how wings create lift? How are new materials making aircraft lighter and what will aircraft of the future look like? Dr Ronan O'Higgins UL will provide answers to these questions and more.

Venue: Chez Le Fab Cafe, Arthur's Quay Park,

Community Science Magic Show



# TUESDAY 14th

9.45AM, 11.30AM & 1.15PM

An interactive talk for primary schools Open to public but booking is essential

Venue: LIT Moylish Campus

9.45AM, 11AM, 12.15PM & 1.30PM **Super Science Circuit** 

An interactive Science Fair. Venue: LIT Aula Maxima

# WEDNESDAY 15<sup>th</sup>

# 9.45AM, 11AM, 12.15PM & 1.30PM **Super Science Circuit**

Venue: LIT Aula Maxima

THURSDAY 16th

Open to public but booking is essential.

**1** B Venue: LIT Aula Maxima

9.45AM, 11.30AM & 1.15PM

Animal Magic

ISTA Senior Science Quiz

Open to public but booking is essential.

This is a schools event aimed at Leaving Cert students. Invitation by ISTA to students only.

Venue: LIT Millennium Theatre

# **Limerick Institute** of Technology

Moylish Park, Limerick

# P



# Limerick **Festival of Science**

# November 11th - 18th 2017

The University of Limerick, Mary Immaculate College and Limerick Institute of Technology have joined to present a range of activities and experiences to celebrate the role of science in the lives of people in the Mid-West region. The three third level institutions in Limerick City with the Science Learning Hub will share their enthusiasm for science, technology engineering, arts and mathematics (STEAM) with everyone in the region. Science Week brings everyone together from children and adults, to scientists, engineers and technologists and is designed to spark curiosity, inspire imagination and unleash the potential that can help shape the future. Our festival aims to challenge stereotypes so young people can see the diversity of people that work in STEAM. This year's festival features a range of scientists and engineers from various backgrounds, ages, and disciplines. A variety of interactive talks, workshops, quizzes, competitions, cafe science and fun activities will take place across Limerick City & County and County





f limerickfestivalofscience

# The Legend:

Secondary Level







Primary Level

**B** Booking Essential





sci\_engUL #scienceweek

www.scienceweek.ie

11.30am & 1pm

Public

# MONDAY 13TH

The Ugly Animal Roadshow - Simon Watts In this interactive show we will look at what makes these hideous creatures so amazing and study how they evolved. The show will feature videos and

Venue: LimeTree Theatre, MIC BOOKED OUT

# TUESDAY 14TH

9.45am, 11.15am & 1pm

Science is Fun - Roadshow The show involves numerous science experiments that are presented in a fun and exciting way. Pupils are encouraged to become actively involved in the by asking and answering various questions throughout.

Technology to support Teaching & Learning in Primary Physical Education This workshop is for pre-service and in-service

primary teachers. Participants at this workshop will

explore how iPads, apps and other technological

resources can be used to enhance children's experiences of PE. Venue: Tailtean Building (T2,T3),

BOOKED OUT

O'Connel Avenue, Limerick

Tel: (061) 204 300

BOOKED OUT

Mary Immaculate College

# THURSDAY 16TH

# Teacher of Things Workshop

This is a workshop for primary school teachers. Participants will use the Sensor Tag device and learn how it can connect to their phone to see values for humidity, temperature, movement on the browser. Participants can keep the Sensor Tag and hopefully

use it in the primary school classrooms. Venue: T314, Tailteann Building, MIC

# WEDNESDAY 8<sup>TH</sup>, THURSDAY 9<sup>TH</sup>,

WEDNESDAY 15TH & THURSDAY 16TH

9рм & 11ам Each Day

Hands-On Minds On Science These one-hour workshops are designed and developed by pre-service primary teachers (MIC). The workshops involve fun-filled inquiry activities where children will engage with, explore and investigate a variety of scientific concepts covered in the primary

Venue: T314, G10, Tara Building, BOOKED OUT

FRIDAY 17<sup>TH</sup>

**9**РМ Return of The Brainteaser Bandits

These STeM workshops will provide children with access to non-traditional problem solving and number environments through a variety of routes and experiences including game-based, exploratory, puzzle, magic and interactive group activities.

Venue: G10 & Halla, MIC



MONDAY 13th

# 11AM - 12PM

STEAM Workshop

Venue: Learning Hub, Limerick BOOKED OUT

Science Magic Show

Venue: Salesians Infant School

4.30рм - 5.30рм Science of Gardening The Science Hub will be opening it's doors to the public! This project combines gardening and plant biology to help children get a better understand of the world of plants and flowers. Compared to the pen day to see what the group have been up to so Ir this year!

Venue: Learning Hub, Limerick

TUESDAY 14<sup>th</sup>

Venue: Learning Hub, Limerick

**10**AM - **11**AM

Hub

Technology Workshop

Learning

68A Hennessy Ave, Kileely, Limerick Tel: (061) 453 099

# **4**рм - **5**рм

**TUESDAY 14th** 

We are inviting our past Science Hub users back to deliver their very own Science Magic show to the community using the skills they have learned here. During the show the kids will blow the audience awa (not literally) with some amazing Science!

# Venue: Learning Hub, Limerick

11AM - 12PM **Forensics Workshop** Based around a fake murder investigation, children will use basic forensics techniques to examine evidence collected by the investigators, narrow the suspect pool and solve the case!

Venue: Learning Hub, Limerick

# WEDNESDAY 15<sup>th</sup>

1.15рм - 2.15рм

STEAM Workshop

by examining the photosynthesis equation and using recycled materials to create models of the Venue: Learning Hub, Limerick BOOKED OUT

10am & 2pm The Science of Baking! During a series of delicious experiments, parents and thildren will explore the science behind baking and he purpose of ingredients common to almost all

Venue: Learning Hub, Limerick BOOKED OUT

**4**рм - **5**рм

Little Inventors Workshop

Venue: Learning Hub, Limerick

The Ugly Animal Roadshow

**1** B

THURSDAY 16th

The Science of Mindfulness

Venue: Caherdavin Active Aging Group

# Ecology: Science and the Garden

# FRIDAY 17<sup>th</sup>

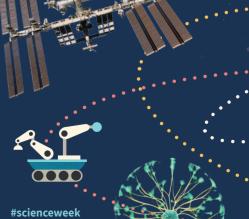
Science, Art and Health

Venue: Limerick School of Art and Design PB





November 11<sup>th</sup>-18<sup>th</sup>







# Primary Science Quiz This is a primary schools event. Booking is essential. Venue: St Caimin's Community School,

Community Hall

# Community event for adults and children. Booking is essential. Venue: SouthHill Community Centre

Ancient Archaeological Alignments -



















Community event for adults of all ages.

Community event for adults of all ages. Booking is essential.

Lessons from the Past - Frank Prendergast Venue: Lough Gur Science Centre







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# Novem

on all events visit eek.ie For more information www.sciencew



