SATURDAY 11TH

11AM

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 Science

Venue: Workbench Space, Bank of Ireland, O'Connell St, Limerick City **12**

SUNDAY 12TH

Secrets of SuperHero Science

Have you ever wanted to have superpowers? Have you dreamed of having the power of invisibility 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, Ρ Ennis, Co Clare

University of Limerick

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

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 Clare during the week of the Festival.



MONDAY 13^{TI}

9.30ам, 11ам & 12.30рм **Cell Explorers: Fantastic DNA Primary** School Workshops 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 OU
10ам	

How to build an Iron man suit

In the superhero world, the greatest invention is 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 Venue: UL

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 of Wonder Woman

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

TUESDAY 14^{TI}

10AM 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 to the Athlete. BOOKED OUT Venue: PESS Building, UL

10am & 12pm

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 **11**AM

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

will cover this and much more in his talk. Venue: AD2-010, UL



MONDAY 13TH

11.30ам & 1рм

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 demonstrations. Venue: LimeTree Theatre, MIC BOOKED OUT

TUESDAY 14TH

9.45ам, 11.15ам & 1рм

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.

BOOKED OUT

THURSDAY 16

5рм

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

Mary Immaculate College

O'Connel Avenue, Limerick Tel: (061) 204 300

WEDNESDAY 15TH

9.30ам & Зрм 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. **12** Venue: UL Foundation Building

10ам, 11.30ам & 1рм

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. **12P** 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. All welcome.

P Venue: Belltable, Limerick

8рм

BOOKED OUT

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 Athletic Boxing Association.

P Venue: KBG012, Kemmy Business School, UL



THURSDAY 16TH

6рм 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 8TH, THURSDAY 9TH, 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 science curriculum.

Venue: T314, G10, Tara Building, BOOKED OUT

FRIDAY 17TH

9рм

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. BOOKED OUT

Venue: G10 & Halla, MIC





The Legend:

- **2** Secondary Level
- P Public
- **B** Booking Essential



Imerickfestivalofscience Sci_engUL **#scienceweek**

www.scienceweek.ie

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 demonstrations to showcase the WOW in Science.

e:	UL Analog Devices Building	10

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

Bad

Gross Germs and Bizarre Bacteria Workshop

bacteria and gross germs are everywhere,			
),000,000,000 can live on one gram of poop!			
e and join us to learn how to make and take			
e your own anti-bacterial hand gel and learn			
it all types of bacteria; the good, the bad and			
EALLY ugly!			
e: EG0-10, 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.

P

Venue: UL Analog Devices Building



MONDAY 13th

11ам - 12рм STEAM Workshop

his workshop aims to integrate the arts and STEM y examining the photosynthesis equation and sing recycled materials to create models of the place last involved.

Venue: Learning Hub, Limerick BOOKED OUT

Science Magic Show

12рм

m exploding gasses to colour changing liquids, show aims to get people of all ages excited

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 pen day to see what the group have been up to so In this year!

Venue: Learning Hub, Limerick

TUESDAY 14th

10ам - 11ам Technology Workshop

his workshop aimed at primary school pupi cplores the world of Technology through te explores the world of Technology through teaching kids basic programming using Scratch. They will the use what they have learned to translate the code int something tangible using Arduino boards.

Venue: Learning Hub, Limerick

Learning Hub

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

FRIDAY 17th

9.30ам, 10.30ам & 11.30ам 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

at each. Venue: Psychology Dept, UL

10ам, 11.30ам & 1рм

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

BOOKED OUT

edges of the Solar System. Venue: UL Analog Devices Building BOOKED OUT

SATURDAY 18th

10.30AM 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 sounds within a tiny footprin 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, Limerick



TUESDAY 14th

4PM - 5PM

Community Science Magic Show 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

11ам - 12рм **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 15th

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

10ам & 2рм The Science of Baking!

During a series of delicious experiments, parents and children will explore the science behind baking and he purpose of ingredients common to almost all

Venue: Learning Hub, Limerick BOOKED OUT

4рм - 5рм

1

Little Inventors Workshop

This workshop immerses the children in the process of product design and development from conceptualisation of an idea right through to the development of the product. Venue: Learning Hub, Limerick

TUESDAY 14th 9.45ам, 11.30ам & 1.15рм The Ugly Animal Roadshow An interactive talk for primary schools Open to public but booking is essential **1 B** Venue: LIT Moylish Campus 9.45ам, 11ам, 12.15рм & 1.30рм Super Science Circuit An interactive Science Fair. Open to public but booking is essential. Venue: LIT Aula Maxima WEDNESDAY 15th 9.45ам, 11ам, 12.15рм & 1.30рм Super Science Circuit An interactive Science Fair. Open to public but booking is essential. Venue: LIT Aula Maxima

9.45ам, 11.30ам & 1.15рм Animal Magic Open to public but booking is essential. Venue: LIT Aula Maxima

THURSDAY 16th

ISTA Senior Science Quiz 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 Tel: (061) 293 000, Email: marie.walsh@lit.ie

Limerick Festival of Science 2017

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November 11th-18th





#BelieveInSciend



HUB BRITISH

Primary Science Quiz This is a primary schools event. Booking is essential. Venue: St Caimin's Community School, **1B** Shannon The Science of Mindfulness Booking is essential Venue: Caherdavin Active Aging Group **PB** Community Hall **Ecology: Science and the Garden PB** P

THURSDAY 16th























18th 20 1 th Novem N

For more information on all events visit

















