

DONEGAL COUNTY LIBRARY SERVICE

SCIENCE FESTIVAL

This year's festival is an effort to involve children in science and how it plays an important part of a shared better future – helping us to understand our world, inspiring new opportunities, and providing potential solution for Science Week 2022, we are asking people to explore the infinite possibilities of science.

You register for ONLINE events at scienceweek@donegalcoco.ie stating which one(s)

- we will subsequently contact you with further details & links.

For INPERSON events please contact the relevant library.

– Online –



DR EMILY GROSSMAN

World-whizzing Facts show



Author, STEM ambassador and TV science expert Dr Emily Grossman answers incredible and important questions about our natural world. In this fun and interactive show based on her bestselling book, Dr Emily explains some of the world's weirdest science facts, and discusses climate change and wildlife loss and how we can all help look after the planet. Find out what is actually happening to our Earth and what this means for both humans and wildlife.

Day: Monday 14th

Time: 10.00

Age: 8-10



DR EMILY GROSSMAN

How To Build a Human



In this fascinating talk, Dr Emily gives a brief and simple overview of the cutting-edge field of regenerative medicine, and discusses how stem cells are being used to re-grow body parts. From Dolly the sheep to 3-D printed livers Dr Emily explores the recent advances in the use of this amazing technology to repair damaged tissues and to grow whole organs, and asks if in the future we could even grow a new heart? Cure paralysis? Combat baldness? Could we one day even grow a whole human?!

Day: Monday 14th

Time: 12.30

Age: 10-12



VERA O'RIORDAN

Sustainable Transport in Ireland.



Passionate about sustainable transport and investigating the policies that can make it a reality, Vera O'Riordan, an engineer and researcher, will be sharing some facts about electric cars and talking about what the future of travel in Ireland could be - and how we can make it green with more walking, cycling, public transport and electric vehicles. This event is sponsored by the European Commission.

Day: Monday 14th Time: 14.00

Age: 10-12

Day: Wednesday 16th Time: 11.00

Age: 6-9

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ISABEL THOMAS

The Bedtime Book of Impossible Questions



Science is not about knowing lots of facts. It's about asking questions! They can be sensible questions. They can be silly questions. Best of all, they can be IMPOSSIBLE questions! Do animals have imaginations? Are feelings made of atoms? What's the opposite of a spider? Award-winning science author and journalist Isabel Thomas will take your class on a whirlwind tour of the most bamboozling questions scientists and children have ever asked and show how silly questions lead to serious science! You'll discover the speed of dark, how to get the most out of your eyebrows, and why you can never remember falling asleep!

Day: Tuesday 15th

Time: 10.00, 11.00 and 13:30

Age: 7-11



ADAM MURPHY

Corpse Talk: Groundbreaking Scientists



Discover the incredible stories of scientists throughout history in this hilarious graphic novel for children that brings the dead famous to life.

Meet your host, Adam Murphy, as he interviews ground-breaking scientists throughout history. Discover what happened to Galileo when he suggested that the Earth goes around the Sun, and why Archimedes jumped out of his bath and ran through the streets shouting "Eureka!" Adam will answer all your questions about the lives of famous scientists and will introduce you to some you may not have heard of, such as brilliant dinosaur expert Mary Anning

Day: Wednesday 16th

Time: 10.00

Age: 8 - 12



ADAM MURPHY

Corpse Talk: Groundbreaking Explorers



Adam and Lisa's award-winning series of graphic novels continues, interviewing the most ground-breaking explorers from history! Journey round the world with Ferdinand Magellan, take to the skies with Amelia Earhart, and sled through the coldest depths of a South Pole winter with Ernest Shackleton! But that's not all - discover both sides of the Conquistador story from Hernan Cortez and Malinalli, and meet Pythias, the Ancient Greek who 'discovered' Britain, among many others!

Day: Wednesday 16th

Time: 13.30

Age: 8 - 12

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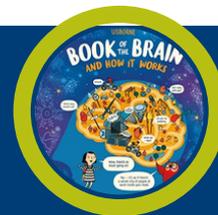
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DR. BETINA IP

Book of the Brain and How It Works



This visually astonishing story, written and designed by Dr Betina Ip, a practising neuroscientist and artist takes children on a journey into and through the brain. Simple but beautifully illustrated metaphors explain the different jobs that our brains do, and how they use brain cells to accomplish them. From the senses to sleep, memories to making decisions, this book brings the wonder of brains and brain science to life.

Day: Thursday 17th

Time: 10.00

Age: 5-8



THE BRAIN FM: DANCING WITH BRAIN WAVES



With Storytelling in Action, learn how the brain communicates information through dance!

For this age group we will introduce the concept of frequencies, a.k.a a speed of brain waves, and the unique kind of information they deliver. We will use different tempos of music to describe the frequency of the waves and correspond them to different actions to correlate the frequency to the information content.

NOTE: This event is for primary school students to take part in with their class. To participate fully, you will need to have a functioning camera.

Day: Friday 18th

Time: 13.30

Age: 7-9



DUBLIN ZOO



Working with Wildlife

Have you ever thought about what it would be like to work with the animals at Dublin Zoo? Then join our Dublin Zoo educator to explore the world of animal care, the role of a zookeeper, and all the things they do to keep animals happy and healthy at Dublin Zoo.

Day: Tuesday 15th

Time: 13.00

Age: 4-8

Enjoy Science Week from all at Donegal County Library Service

If your school enjoyed an event, share it on Facebook/Twitter and tag Donegal County Library Service

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- In person -



MAD PROFESSOR

Capacity: 60



The Mad Professor will take you on a journey through science filled with fun and surprises. See how the Mad Professor takes everyday items and uses them in a way you have not seen before. This show will spark the imagination with mad experiments and activities involving air, sound and lots more!

Venue: Buncrana Community Library Day: Monday 14th Time: 10.00 and 11.15 Age: 7+ Tel: 074 9361941

Venue: Carndonagh Community Library Day: Monday 14th Time: 13.30 Age: 7+ Tel: 074 93 73701



DAVID MCCANN - SHARK WORKSHOP

Capacity: 30



Join marine biologist, David McCann, to discover cool fact and information about sharks and skates. Did you know the world's largest skate can be found off the coast of Donegal? Do you know why sharks have pale bellies and dark backs? What is a megalodon? This event is sponsored by the European Commission.

Venue: Bundoran Community Library Day: Tuesday 15th Time: 10.00 Age: 4-6 Tel: 071 9829665

Venue: Bundoran Community Library Day: Tuesday 15th Time: 11:15 Age: 10-12 Tel: 071 9829665

Venue: Twin Towns Community Library Day: Thursday 17th Time: 10.00 Age: 4-6 Tel: 074 9175384

Venue: Carndonagh Community Library Day: Thursday 17th Time: 12.30 Age: 4-6 Tel: 074 93 73701



BEN HARKIN

Time Nor Tide



Drawing on research from Ireland and across the world, Ben will explain what we can expect for the future in Ireland with climate change, and how we can prepare for the impacts of what's ahead. Combining studies and stories Ben clearly explains how we can use the technology we already have to bring our country to being carbon neutral, while building a better future for us all. This event is sponsored by the European Commission.

Venue: Buncrana Community Library Day: Wednesday 16th Time: 11.00 Age: TY & Geography students Tel: 0749361941

Venue: Central Library Letterkenny Day: Thursday 17th Time: 11.00 Age: TY & Geography students Tel: 0749124950

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Capacity: 30

With the increase in the use of digital technology to access information and to socialize online, it is important that children know how to navigate the online world in a stronger, smarter and safer way. Through this Healthy Ireland interactive talk delivered in person, Cybersafe Kidz will teach 5th & 6th class pupils how to stay safe online.



Venue: Twin Towns Community Library

Day: Wednesday 16th Time: 10.00

Age: 10-12

Tel: 074 9175384

Venue: Bundoran Community Library

Day: Friday 18th Time: 10.00

Age: 10-12

Tel: 071 9829665



STEMWIZZ

Capacity: 20

An raibh a fhios agat go bhfuil níos mó ná 200 cnámh i gcorp an duine?
An bhfuil a fhios agat cá bhfuil do chnámh Féimear?

Sa cheardlann seo, gheobhaidh na páistí an deis a gcnámharlach féin a thógáil agus foghlaim faoi na cnámha agus na hait a chuidíonn lenar gcorp seasamh suas agus bogadh.

Beidh cead ag na páistí a gcnámharlach a thabhairt abhaile nó ar ais ar scoil, ionas gur féidir leo leanúint ar aghaidh ag foghlaim faoi chorp an duine.



Áit: Leabharlann Phobail na Rosann

Data: Dé Céadaoin 16 Am: 12.30

Aois: 10-12

Tel: 074 9522500

Áit: Leabharlann Phobail Ghaoth Dobhair

Data: Dé hAoine 18 Am: 10.00

Aois: 10-12

Tel: 074 9560862

CELL EXPLORERS

This session provides children and young people with the opportunity to engage in hands-on modern biology. Children will gain a basic understanding of the role and structure of cells and DNA, the building blocks of life, and practice a DNA extraction experiment individually. Following the workshop children will think critically about science and scientists and reflect on the connection between science and everyday life.



Venue: Central Library Letterkenny

Day: Saturday 19th

Time: 10.00 and 11:00

Age: 7+

Tel: 074 9124950

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