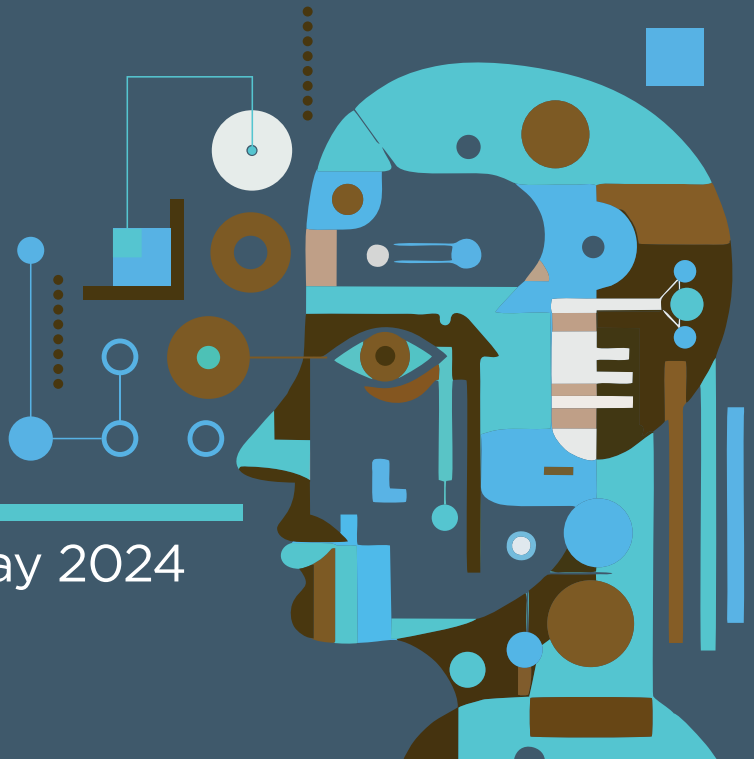




South Dublin Libraries

Library Labs

Science for All



April/May 2024



Library

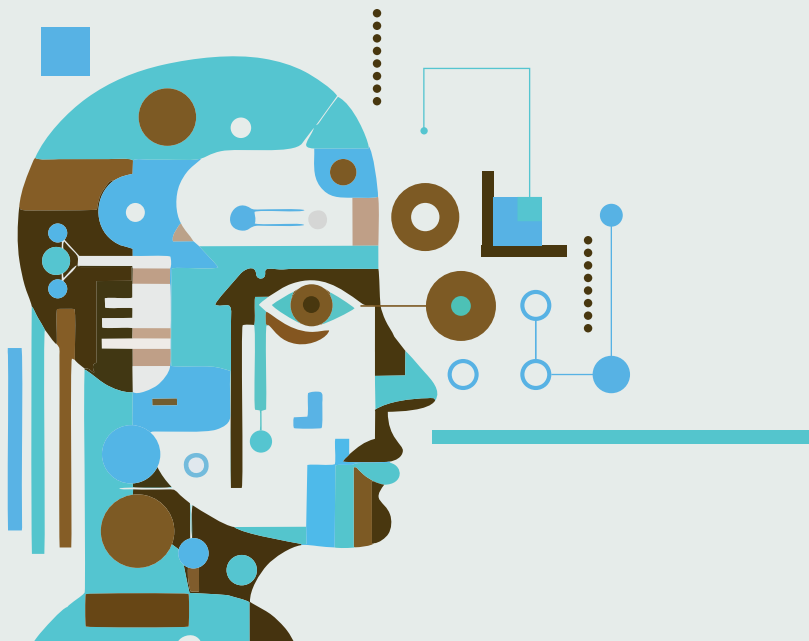
Labs

Welcome

to **Library Labs** by **South Dublin Libraries!**

Library Labs is a new year-long, county-wide STEAM events programme.

The programme will largely centre around already established festivals including **Engineer's Week, Biodiversity Week, Eco week, Tech Week, Dublin Climate Action Week, Space Week, Maths Week** and **Season of Science** and will include events aimed at schools, the general public, and neurodiverse groups.



Booking Information



Booking for Eco Week Events starts 1st April.

Booking For Tech Week Events starts 1st April.

Booking for Biodiversity Week events starts 3rd May.

These events are free, but booking is essential.

Public events can be booked through Eventbrite. Links can be found at southdublinlibraries.ie

For **school events** contact your local library to register your interest. We will then let you know if you have been allocated the event.

Oversubscribed schools events will have a random draw, priority will be given to those who have not yet attended an event.

Please include in your registration of interest:

- 1.** The name, date, and time of the event you are interested in attending.
- 2.** Order of preference of events if interested in more than one event.
- 3.** Your name.
- 4.** Your school.
- 5.** Your contact details (mobile and e-mail where possible).
- 6.** Which class you will bring.
- 7.** How many pupils.

Please note that for class visits, a teacher must always remain with the children.

Contact your local library or call in.



eco week

Eco Week April 15th – 20th



Recyclable Seed Paper Workshop for Adults

Make plantable seed paper from recycled materials.

In this workshop we'll be making handmade paper using recycled paper pulp and wildflower seeds. We'll be using a traditional paper making technique and every participant will get a chance to make their own sheets of seed paper which they can take away to dry at home. Also provided will be some dry seed paper which will be used to make stamped gift tags.



Learn about biodiversity, create beautiful handmade seed paper, and help your local bees!

Please bring the following with you for the workshop:

- o **An old towel**
- o **Flat bottomed waterproof containers to bring wet paper home for drying - large lunchboxes or similar containers are ideal**
- o **A small sponge**

Castletymon Library	10.30am Monday 15th April
Lucan Library	11.00am Tuesday 16th April
North Clondalkin Library	3.00pm Tuesday 16th April

Booking Essential.

Big Story, Bigger Challenge: why the media struggle to cover climate change with Dr David Robbins (Adults)

David worked as an advisor to the Minister for the Environment, was assistant editor and columnist with the Irish Independent and broadcast a weekly radio column on RTÉ's Drivetime. His talk looks at the difficulties journalists face in covering climate and examines the levels and characteristics of Irish coverage.



Tallaght Library	7.00pm Monday 15th April
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Booking Essential.

Eco Week April 15th – 20th



Geli Printmaking with Recycled Materials

In this creative workshop from artist Eva Kelly you will learn the basics of Geli Printmaking. You will have the chance to explore colour, layout and lots of texture with nature and the animal world as inspiration. Using recycled paper and found materials to make original layered monoprints - mono meaning one off original images. Feel free to bring ideas like a favourite animal or just go with the flow of the day!



Ballyroan Library (Adult Workshop)	2.00pm Thursday 18th April
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Ballyroan Library (Children 8-12)	3.45pm Thursday 18th April
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Booking Essential.

Climate Change: What You Need To Know – And Why! With Dr Darren Clarke (Adults)

Darren Clarke is Assistant Professor at the School of History and Geography at DCU.

Lucan Library	7.00pm Thursday 18th April
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Booking Essential.



Wind-Powered Pinwheel Children's Workshop (Age 5-8)

New renewable sources of power have become more and more important. Join us at Palmerstown Library for this wind powered workshop.

Palmerstown Library	12.00pm Saturday 20th April
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Booking Essential.



Eco Week April 15th – 20th



Cures of Ireland with author Cecily Gilligan and Tour of Monk's Garden at the Clondalkin Round Tower (Adults)

Join author Ceceily Gilligan as she talks about her bestselling book *Cures of Ireland*. This will be followed at 3.30pm by a tour of the Monk's Garden at the Clondalkin Round Tower facilitated by the Clann Chrónáin voluntary group.



Clondalkin Library & Clondalkin Round Tower Visitor Centre

**2.00pm Saturday
20th April**

Booking Essential.





tech week

Tech Week April 17th – 24th



Crack The Code – Cipher Wheel with Anyone4Science (Schools)

Learn about codes and how codes are everywhere. Learn about the concepts of secret codes and make your own secret coding machine.



Lucan Library

**10.00am & 11.30am (schools),
1.00pm (Neurodiverse Group)
Wednesday 17th April**

Suit 2nd - 6th Class

**Session Capacity: 30 children max (schools),
10 children max (Neurodiverse Group)**

Booking Essential.

Children's Robotics Workshops with Creative Hut (Schools)

Join us for a workshop that will bring STEAM to life and engage children in a fun Hands-On and inspiring workshop.

The Think Big Space Introduction to Robotics workshop will give children an insight into the role of robotics in our world.

Think Big Space

**9.30am – 11.30am (schools)
& 12.00pm – 2.00pm
(Neurodiverse Group)
Wednesday 17th April.**

Suit 3rd - 6th Class

Tallaght Library

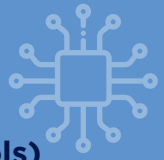
**3.30-5.00pm
Wednesday 17th April.**

Suit age 9-12.



Booking Essential.

Tech Week April 17th – 24th



Coding Bracelets with Anyone4Science (Schools)

Learn the language of computers. They see everything using a language called binary, a series of only two symbols 0 and 1. Children learn about binary and make their own bracelet spelling their name using binary code.



Castletymon Library	10.00am & 11.00am (schools) 12.00pm (Neurodiverse Group) Thursday 18th April.
Ballyroan Library	10.00am & 11.00am (schools) 12.00pm (Neurodiverse Group) Friday 19th April.
North Clondalkin Library	10.00am & 11.00am (schools) 12.00pm (Neurodiverse Group) Monday 22nd April.

Suit 3rd – 6th Class.

Booking Essential.

Fun with AI and Machine Learning (Schools)

AI's impact on society is profound and multifaceted. It is transforming industries, enhancing efficiency, and reshaping how we live and work. To many, this technology seems incomprehensible and even frightening. Spain Hughes-Fagan of Inventors Club CLG, will simplify this seemingly complex subject. We discuss the pros and cons of AI and consider how AI will change our worlds.



This is a fun, easy and interesting, hands-on workshop, designed to demystify artificial Intelligence. We will focus mainly on Machine Learning, one important component of AI. You will get a chance to play with Machine Learning applications. We train models to differentiate between participants and use your trained model to lead a ball through a maze game.

Tech Week April 17th – 24th



Clondalkin Library

**10.00am & 11.00am (Schools)
12.00pm (Neurodiverse Group).
Thursday 18th April.**

Palmerstown Library

9.30am (Schools) Friday 19th May

Suit 2nd-6th Class.
Booking Essential.

Demystifying AI for Adults

AI's impact on society is profound and multifaceted. It is transforming industries, enhancing efficiency, and reshaping how we live and work. To many, this technology seems incomprehensible and even frightening. Spain Hughes-Fagan of Inventors Club CLG, will simplify this seemingly complex subject.

This fun, easy and interesting, hands-on workshop, for anyone curious about what exactly AI is, is designed to demystify artificial Intelligence. We will focus mainly on Machine Learning, one important component of AI. You will get a chance to play with Machine Learning applications and train models to differentiate between participants. No prior knowledge is necessary.



Tallaght Library

6.30pm - 8.00pm Thursday 18th April

North Clondalkin Library

2.30pm – 4.00pm Friday 19th April

Booking Essential.

LEGO Tech for Adults with the Glow Group

Why should kids have all the fun? Do you love to build and create? Build and code some amazing LEGO creations with a LEGO Spike Kit.

Ballyroan Library

**2.00pm-4.00pm
Saturday 20th April**

Booking Essential.



Tech Week April 17th – 24th



Sublimation Printer Training for Adults

Are you looking for a new craft to try out. With a Sublimation Printer you can transfer motifs to a variety of different materials, including t-shirts and ceramic mugs. In this workshop you will be shown how to design an image and how to use the Sublimation at Ballyroan Library.



**Ballyroan
Library**

6.00pm Monday 22nd April.

Booking Essential.

Introduction to 3D Printing for Adults

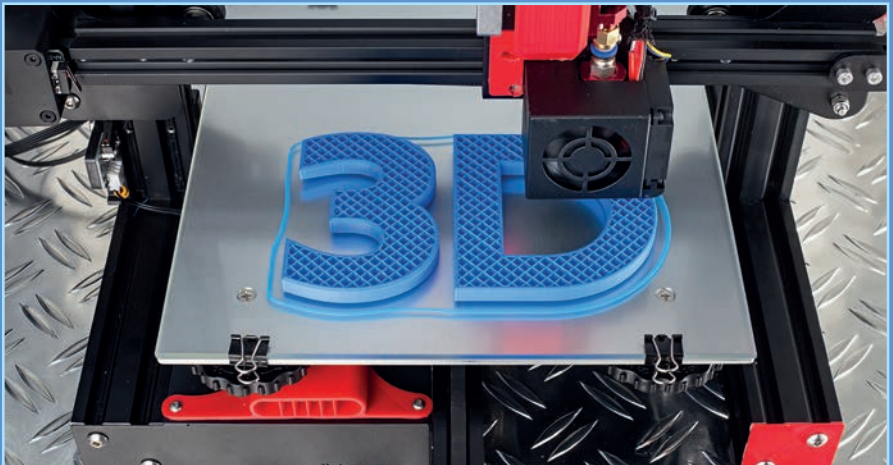
Lost queen from your chess set? Broken handle on your dresser? Join us for this very special 3D printer workshop for adults with library staff. You will learn how to print replacement parts for incomplete sets or broken parts and avoid sending them to the bin!



**Tallaght
Library**

6.30pm Tuesday 23rd April.

Booking Essential.



Biodiversity



week



Biodiversity Week

May 20th – 24th



Exploring Insects Through the Senses with Nessa Darcy (Schools)

Why does a stink bug stink? Which kind of moth can scream? Touch, taste, smell, hear and see how insects use their senses to communicate, find food, reproduce, escape from predators and more, in this interactive workshop with creative entomologist Nessa Darcy.



Castletymon Library	10.00am & 11.15am (schools) Monday 20th May
Tallaght Library	10.00am & 11.15am (schools) Tuesday 21st May
Lucan Library	10.00am & 11.15am (schools) Wednesday 22nd May
Ballyroan Library	10.00am & 11.15am (schools) Thursday 23rd May

Suit 3rd-6th class.
Booking Essential.

Scales, Shells and Spikes with the National Reptile Zoo

Event for Neurodiverse Children.

Join the National Reptile Zoo for a fascinating workshop based around animals with scales, shells and spikes. We will be looking at colours and textures and animal identification.



Ballyroan Library	3.30pm Monday 20th May
Lucan Library	10.30am Tuesday 21st May
Tallaght Library	3.30pm Thursday 23rd May
Clondalkin Library	3.00pm Friday 24th May

Suit Age 7-10.
Booking Essential.

Biodiversity Week

May 20th – 24th



Make Your Home a Nature Reserve (Adults)

Donna Mullen, author of *Make your Home a Nature Reserve* will give information and tips about bird and bat boxes, light pollution, and bringing some wildness to your garden!

Ballyroan Library 2.30pm Thursday 23rd May.

Booking Essential.



Bugs and Spiders with Collie Ennis (Family Event)

Join bug enthusiast Collie Ennis for a talk on why bugs and spiders are so wonderful. You might even get to meet a few of his bug friends! Collie Ennis is a Research Associate in Trinity College Zoology department.

Tallaght Library 6.30pm Thursday 23rd May.

Booking Essential.



Gardening for Biodiversity with Aoife Munn (Adults)

Join Aoife Munn for a talk on how to create a sustainable and natural planting scheme that will transform even the smallest of outdoor spaces into a haven full of colour and life.

Palmerstown Library 12.00pm Thursday 23rd May.

Booking Essential.



Biodiversity Week

May 20th – 24th



Biodiversity Walk of Tymon Park with Rosaleen Dwyer (Family Event)

Join South Dublin County Heritage Officer Rosaleen Dwyer as she takes us on a tour of the flora and fauna of Tymon Park. Walk will set off from Castletymon Library at 10.30am.



Castletymon Library

10.30am Thursday 23rd May

Booking Essential.

Planting with Paper Pots (Age 6-12)

Join us for this fun workshop at Palmerstown Library. Make pots from recycled paper and plant bee-friendly peas.



Palmerstown Library

12.00pm Saturday 25th May

Booking Essential.

Gardening for Biodiversity with Rosaleen Dwyer (Adults)

Biodiversity has become an increasingly important topic. Join South Dublin County Heritage Officer Rosaleen Dwyer as she gives some helpful tips and strategies to make you garden a more biodiverse space.



Tallaght Library

7.00pm Monday 20th May

Booking Essential.

Biodiversity Week

May 20th – 24th



The Secret Life of the Beehive with Thomas Clancy (Age 7+)

How many bees are in a hive? What do bees eat? Are you curious about bees? Join Thomas Clancy of Eblana Beekeeping Association as he tells us all about life in the hive and the importance of bees to biodiversity. See the inner workings of the hive with the Observation Hive.



Palmerstown Library	3.00pm Wednesday 22nd May
North Clondalkin Library	3.00pm Thursday 23rd May
Clondalkin Library	3.00pm (Families) Saturday 25th May

Booking Essential.

Finding Magic & Medicine in Your Garden with Feebee Foran (Adults)

Feebee Foran is a forager, herbalist and owner of the natural Irish skincare brand, Forager. She will be giving a fascinating talk on the medicinal and folkloric properties of the native plants in your garden. She aims to connect people with nature and increase their biodiversity awareness. This talk will be a mix of visual and interactive elements, as she brings along plants for the audience to touch, feel and smell, to help identify plants more easily.



Castletymon Library	6.30pm Tuesday 21st May
North Clondalkin Library	12.30pm Thursday 23rd May

Booking Essential.

The Biodiversity Week Programme is supported by the South Dublin County Heritage Plan.



Library Contact Details

Ballyroan Library	01 494 1900	ballyroan@sdblincoco.ie
Castletymon Library	01 414 9203	castletymon@sdblincoco.ie
Clondalkin Library	01 459 3315	clondalkin@sdblincoco.ie
County Library, Tallaght	01 462 0073	talib@sdblincoco.ie
Lucan Library	01 621 6422	lucan@sdblincoco.ie
North Clondalkin Library	01 414 9269	ncl@sdblincoco.ie
Palmerstown Library	01 467 8909	ptowndigihub@sdblincoco.ie



Acknowledgements

We would like to thank the Eblana Beekeeping Association for their partnership on Biodiversity Week.



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www.sdcc.ie

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