

KILDARE LIBRARY AND ARTS SERVICE

# STEAM

PROGRAMME 2021

FREE Online Talks and Workshops for Primary Schools



Science



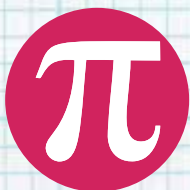
Technology



Engineering



Arts



Maths

DISCOVER EXPLORE LEARN

# Free Support & Services available to Teachers & Schools

There are many ways in which Kildare Library Service can support your school. There is no charge for library membership and no overdue fees. This entitles your students to avail of our facilities free of charge. We are always happy to support children whether it's for research, reading material, or special occasions like author visits and workshops which have now been tailored to allow for online delivery.

**Block Loan Card:** This card entitles teachers to borrow up to 40 books at a time. The lending period is 8 weeks.

**Class Sets:** We have a list of titles available as class sets. There are 35 books in each set and they can be borrowed for 8 weeks on your block loan card. If you have suggestions for titles you think would be suitable for inclusion in our collection, please let us know.

**Reading Series Material:** We have an extensive collection of material suitable for developing readers, newly confident readers, confident readers and reluctant readers.

**Project Support:** If you are planning a class project please let us know in advance. We can ensure that we have a useful selection of titles that can be borrowed on your block loan card.

**ELF Collection:** Aimed at junior and senior infant classes we have the ELF Collection (Early Learning Fun) which is four sets of approximately 30 titles, grouped together under the four themes of the Aistear Curriculum Framework. The themes are: Communication, Well-being, Exploring and Thinking, and Identity and Belonging. The sets can be borrowed on a block loan card and used in the classroom as support when you are covering a theme.

Throughout the year we run lots of exciting events for children: author visits, story sessions, reading festivals, arts in libraries programmes, creative writing workshops, book clubs and much more. All our events can be delivered online when required.

We are always open to working with teachers to support new ideas for literacy or numeracy projects. If you have an idea for a project you would like to pilot during this school year, please get in touch and we would be happy to work with you.

# DISCOVER EXPLORE LEARN AT YOUR LOCAL LIBRARY

The Kildare Library Service STEAM programme aims to give children the opportunity to engage with and explore science, technology, engineering, arts and maths (STEAM) subjects in a fun and stimulating environment. We are conscious that STEAM subjects are at the heart of a very wide variety of professions and will be the skills children today will need to take part in building the world of our future. By encouraging teachers and their classes to engage with this programme we hope to provide an opportunity to explore STEAM learning beyond the formal school setting, to create lifelong learners and to highlight the broader supports and benefits the public library can offer.

These talks and workshops are all free of charge. They take place during school hours and can be booked for primary schools by contacting your local library. To be informed of these and other events at your local library, please check [www.kildare.ie/library](http://www.kildare.ie/library) or contact library staff in your local branch.

*Due to continuing changes in our library service arrangements, and as part of the Recovery and Resilience 2020-2021: Plan for Living with Covid-19, all workshops and talks for the 2021 STEAM programme will be delivered online to schools. In the event of a school closure, and a class being taught remotely, workshops can still be delivered directly to children online at home with the support of the class teacher.*

**If you would like to do a trial technical run through in advance of attending a talk or workshop then please let us know when you are making a booking and either the workshop facilitator or your local library will be able to arrange this with you.**



## Focus on Forces with Anyone4Science

3<sup>rd</sup> - 6<sup>th</sup> Class  
60 mins

In this workshop the children will learn all about forces and their application through the medium of jelly sweets. They will make a force meter and test the tensile strength of the sweets. They'll also learn all about pulling forces, fair testing, repeatable and reliable testing and how incredibly strong jelly sweets are!

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- This is a team activity and children can work within their class pods to complete the challenge.
- Activity packs will be delivered to the school in advance of the workshops. Each class pod will receive a pack to share within their group.
- In the event of a school closure and remote learning this workshop can still be delivered online to children at home with the class teacher's support using materials found in the home.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Celbridge Library

Tuesday 23rd March

10:00am

Leixlip Library

Tuesday 23rd March

11:15am

Maynooth Library

Tuesday 23rd March

12:30pm



## Giraffe Habitat Challenge

4<sup>th</sup>- 6<sup>th</sup> class  
60 mins

with Dublin Zoo

As part of Engineers' Week 2021, Dublin Zoo, with thanks to their proud sustainability partner SSE Airtricity, is calling upon your school class to participate in their virtual 'Giraffe Habitat Challenge'. This innovative workshop tasks budding young designers to try their hand at designing a new giraffe habitat.

Students will learn from zookeepers, engineers and sustainability experts while working with a Dublin Zoo educator to design a new giraffe habitat.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- In the event of a school closure and remote learning this workshop can still be delivered online to children at home with the class teacher's support
- Learners will need some paper, a pencil and a ruler.
- The workshop will be hosted live by a Dublin Zoo educator and will include some pre-recorded elements
- No live animals will appear on screen

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Athy Library

Wednesday 24th March

10:00am

Kildare Town Library

Wednesday 24th March

11:30am

Naas Library

Thursday 25th March

11:30am

Newbridge Library

Thursday 25th March

12:45pm





# Digital Fabrication and STEAM Taster

## with Tech Create

4<sup>th</sup> - 6<sup>th</sup> Class  
90 mins

As the world around us changes rapidly with the advent of new technology it is important to understand the impact of STEAM and how it relates to future careers. In this session students are introduced to the concepts of digital fabrication including prototyping and product design. They also look at coding and software development and how they all fit together. The workshop will include the following:

- Product prototyping using 3D-printing technology. Demonstration of 3D design software.
- Digitising real-world objects, demonstration of 3D scanning.
- The 3D printing process – demonstration of 3D printer.
- Other tools for digital fabrication – video of laser cutting engraving machine.
- Discussion and demonstration of design in the world around us.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Athy Library	Tuesday 20th April	9:30am
Celbridge Library	Wednesday 21st April	9:30am / 11am
Leixlip Library	Thursday 22nd April	9:30am
Maynooth Library	Friday 23rd April	12pm
Newbridge Library	Friday 23rd April	12pm



## Journey to a Covid-19 Vaccine with Professor Teresa Lambe

4<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

Professor Teresa Lambe, an Irish scientist originally from Kilcullen in County Kildare, is one of the main developers of the Oxford AstraZeneca Covid-19 vaccine that promises to help bring an end to the current pandemic. Alongside her colleagues, Teresa has spent the last year working tirelessly to design the vaccine, put it through rigorous clinical trials and get approval from regulators.

Join Teresa for an exciting talk about her journey from Kilcullen to a career dedicated to vaccine research in one of the top laboratories in the world. She will talk about her love of science in school, her career path and training in vaccine research and how, even when science doesn't always work, through time and determination she has learned to persevere and to adopt a 'get back up and dust yourself off' attitude.

She will also discuss how the Oxford AstraZeneca vaccine works, the process of the clinical trials and testing and how it was ultimately possible to develop this vaccine in under a year.

The talk will be aimed at 5th-6th class students and will be followed by a Q&A where students can ask Teresa all about her career and the science behind the vaccine.

### Bio

Professor Teresa Lambe is an Irish scientist, originally from Co. Kildare, working at the University of Oxford. She is one of the co-developers of the 'Oxford' vaccine against the coronavirus causing COVID-19. Teresa has helped oversee the lab tests needed to check if the vaccine was working.

### Logistics:

- This talk will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the talk.
- Ahead of the talk teachers and their classes are encouraged to email any questions they may have for Professor Lambe to [browland@kildarecoco.ie](mailto:browland@kildarecoco.ie) putting the words "Professor Teresa Lambe – Question" in the subject line. There will also be an opportunity on the day to ask questions.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.



Open event for all schools but spaces are limited

Tuesday 27th April 10.00am



## What can you do to help Biodiversity? with Juanita Browne

4<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

There are plenty of actions we can all take to help wildlife - in the classroom, your garden or the school grounds. You could create a wildflower patch, a log pile or even a wildlife pond! You might like to plant a native Irish tree or a mini-orchard. Or would you like to count insects to help Irish scientists track how our insect populations are doing? Or maybe you could tell other classes, or even your teacher, all about how they can help wildlife by creating artwork and posters about actions to help Ireland's wildlife? There are lots of ways we can all help Ireland's biodiversity. In this online event via Zoom, Kildare writer Juanita Browne talks about how she got involved in becoming a biodiversity ambassador and outlines ways that you can help biodiversity.

### Bio

Juanita Browne, a Zoology graduate with an MA in Media Studies, has built a career spanning television, radio, magazines and books – always with her focus on communications around the natural world.

During the course of her career she has worked on award-winning documentaries for TV and radio that have aired on RTÉ and BBC as well as PBS in the US. She has also written several books including Ireland's Mammals (2005); Kildare's Natural Heritage (2008) and My First Book of Irish Animals (2014). Her latest book The Great Big Book of Irish Wildlife was published by O'Brien Press in autumn 2018 and won a Literacy Association of Ireland Children's Book Award in 2019.

Juanita currently edits Biodiversity Ireland, the magazine of the National Biodiversity Data Centre. As Project Officer on the All-Ireland Pollinator Plan, she has produced ten online videos and scripted and produced three animations to help create awareness of biodiversity and the Pollinator Plan.

### Logistics:

- This talk will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the talk.
- Ahead of the talk teachers and their classes are encouraged to email any questions they may have for Juanita to [browland@kildarecoco.ie](mailto:browland@kildarecoco.ie) putting the words "Juanita Browne – Question" in the subject line. There will also be an opportunity on the day to ask questions.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.



Open event for all schools but spaces are limited

Monday 17th May

11:30am





## Plastics and our Oceans

with Patrick Hunt

3<sup>rd</sup> - 6<sup>th</sup> class  
60 - 75 minutes

By 2050 scientists estimate there will be more plastic in our oceans than fish. We must all do our bit to make sure this does not happen.

This online talk about our oceans will explain how the plastic got there and what we can all do to stop this happening. The talk explains how our oceans have become the world's largest dumps and highlights the effect this has on fish, birdlife and the food chain. After the talk pupils and teachers may like to create a play or write some poetry to highlight the problem. Schools that have had this talk in the past have found creative ways to share the message with other pupils, staff and parents.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Celbridge Library	Tuesday 18th May	9:30am
Leixlip Library	Tuesday 18th May	11:15am
Maynooth Library	Tuesday 18th May	1:00pm
Athy Library	Wednesday 19th May	9:30am
Newbridge Library	Wednesday 19th May	11:15am
Naas Library	Wednesday 19th May	1:00pm



# Bog in the Classroom

with Irish Peatland Conservation Council

3<sup>rd</sup> - 6<sup>th</sup> Class

90 mins

(including 30 minutes live  
Q&A via Zoom)

A narrated video presentation exploring the wet and wild bogs of Ireland including their formation, location in Ireland and their values, with particular attention to biodiversity and archaeological importance. Throughout the presentation students will be encouraged to pause the video to support classroom discussion. The presentation also includes a practical activity for students to make (individually or in pairs) a bog plant identification dial. A follow-up Zoom link with IPCC will help answer students' questions.

## Logistics:

- Teachers will be provided with a Google Drive link to a narrated peatland presentation by IPCC about a week beforehand. Links to the PDFs will be provided with the Google Drive link.
- For the activity teachers will be required to photocopy the A4 page template (each pupil will require 3 pages), and each pupil will need scissors, a glue stick and a paper clip. If the teacher would prefer not to have the class participate in the hands-on activity then they can skip this section of the video.
- Workshop length including presentation and activity is approx. 1 hour. There will also be a student quiz provided for students to complete for their journals.
- The follow-on 30-minute live Zoom Q&A session with IPCC will take place at the scheduled time.

## Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.
- A Gmail account for access to the Google Drive resources. The video can only be played from Google Drive and cannot be downloaded. Therefore, the teacher will need to be able to access Google Drive to play the video for the class.

**Celbridge Library**

**Thursday 20th May**

**9:30am**

**Leixlip Library**

**Thursday 20th May**

**10:15am**

**Maynooth Library**

**Thursday 20th May**

**11:15am & 12:00pm**

**Naas Library**

**Thursday 20th May**

**1:15pm**

**Athy Library**

**Friday 21st May**

**9:30am & 10:15am**

**Kildare Library**

**Friday 21st May**

**11:15am & 12:00pm**

**Newbridge Library**

**Friday 21st May**

**1:15pm**



## Building Space Things

with Dr David McKeown

4<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

David will talk about the adventures he has had building things for space. Through a series of fortunate accidents David has worked on space telescopes, robotic arms, controlling rockets and Ireland's first spacecraft. He will ponder about what sort of people work in space jobs, and most importantly, how could you?

### Bio

Dr David McKeown is an Assistant Professor in the School of Mechanical and Materials Engineering in University College Dublin, where he lectures to anyone who will listen about how things move.

David's research has been funded by the European Space Agency since 2011. His research projects include work on the DELIAN Arm, an experimental light flexible robot arm for future Mars rover missions and the control of a large flexible space-based X-ray observatory (IXO). David has also led the development of a toolbox for vibration control of rockets as part of European Space Agency's Future Launcher Preparatory Programme (FLPP). David currently acts as the Engineering Manager of Ireland's first Satellite EIRSAT-1 and his latest ESA contract is on keeping moon dust from damaging robot arms.

David is also co-founder of Dublin Maker, the annual carnival where thousands of inventors showcase their homemade creations and repurposed items. David is renowned for his speaking on engineering and was one of the "fixers" on RTÉ's Big Life Fix.

### Logistics:

- This talk will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the talk.
- Ahead of the talk teachers and their classes are encouraged to email any questions they may have for David to [rmeagher@kildarecoco.ie](mailto:rmeagher@kildarecoco.ie) putting the words "Dr David McKeown – Question" in the subject line. There will also be an opportunity on the day to ask questions.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.



Open event for all schools but spaces are limited    Wednesday 6th October    11:00am



## Let's Draw Women in Space

2<sup>nd</sup> - 6<sup>th</sup> class  
60 mins

with Deirdre Kelleghan

This workshop includes a presentation on the past, present, and future of women in space. Deirdre will discuss the contribution of ESA and NASA female astronauts to space exploration and more. She will explain the forthcoming NASA ARTEMIS program and its plan to land a woman and a man on the moon by 2024 thereby setting alight a new era in space exploration.

Drawing inspiration, encouragement, and tips will be delivered in a separate short video which will be made available during the presentation. Teachers will be encouraged to let the children draw their vision of Artemis and Women in Space in class after the workshop. Images of the finished content can be sent to Kildare Library Services and Deirdre afterwards.

Deirdre Kelleghan is an amateur astronomer, an artist and an educator, a combination which she finds very enjoyable and fulfilling. She invents, designs, and enacts creative workshops to help children understand our solar system, space exploration, and the night sky.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- The following materials will be required for the drawing activity: black A3 sugar paper, soft pastels, white chalk, crayons and colouring pencils and non-perfumed baby wipes for removing the pastel from hands if the classroom does not have a sink.
- Some class time will need to be designated to the drawing activity after the workshop.
- Minimal assistance will be required from the teacher other than to hand out drawing materials and sheets.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Athy Library	Tuesday 5th October	10:00am
Kildare Library	Tuesday 5th October	12:00pm
Leixlip Library	Thursday 7th October	10:00am
Maynooth Library	Thursday 7th October	12:00pm
Naas Library	Friday 8th October	10:00am
Newbridge Library	Friday 8th October	12:00pm

# The Code of Kells - Happy Maths Workshops

4<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

with the Adapt Research Centre, DCU

The Happy Maths Workshop is dedicated to students who love solving puzzles and cracking codes! In this workshop, students will learn the story of different types of codes and ciphers and how these are used to protect the confidentiality of our digital data. They will also practice their knowledge of ciphers while solving The Code of Kells, a collaborative mystery game where players collect clues around Dublin to discover who stole the Book of Kells from the Trinity Library. Maths Secrets is offered by Happy Maths, a research group that develops mathematics games to promote learning and reduce anxiety in primary school students.

## Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- Children can participate in the activities singly or in pairs or threes. Each single student or group will need 2 activity sheets to participate. These will be emailed to the teacher to print out when a booking is confirmed. They include a Ciphers' sheet and a Dublin map.
- Minimal assistance will be required from the teacher other than to hand out the activity sheets.

## Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Celbridge Library	Tuesday 12th October	9:30am
Leixlip Library	Tuesday 12th October	11:15am
Kildare Library	Tuesday 12th October	1:15pm
Athy Library	Wednesday 13th October	9:30am
Newbridge Library	Wednesday 13th October	11:15am
Naas Library	Wednesday 13th October	1:15pm





## Maths Detectives with the Rediscovery Centre

5<sup>th</sup> - 6<sup>th</sup> Class  
60 - 90 mins

The Maths Detectives Workshop presents the five curriculum strands (numbers, algebra, shapes and space, measures and data) to students in a fun and interactive way while practising math skills to solve mysteries, puzzles, and crime! The activities are linked to the primary maths curriculum.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- Resource packs will be needed to participate and these will be sent to the class in advance of the workshop. They will contain paper resources and each class pod will receive one to share within their group.
- Minimal assistance will be required from the teacher other than to hand out the resource packs.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Kildare Library  
Naas Library  
Maynooth Library

Thursday 14th October  
Thursday 14th October  
Thursday 14th October

9:30am  
11:15am  
1:15pm



## Science at Play: Strawberry DNA with Professor Aoife McLysaght

4<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

Join Professor Aoife McLysaght for a hands-on talk on how DNA and genetics have revolutionised our understanding of genetics followed by an opportunity to put this learning into practise by carrying out your very own experiment extracting DNA from strawberries.

### Bio

Professor Aoife McLysaght is Head of the Genetics Department at Trinity College Dublin, where she has led a research group focussing on Molecular Evolution since 2003.

Aoife takes a keen interest in communicating science to the public in an engaging and accessible manner. She has given many talks at public events, including music festivals, The Royal Institution, and Brian Cox and Robin Ince's Christmas Science shows. She is a frequent contributor to radio discussions on BBC Radio 4 and other stations, has appeared on live TV, has contributed to TV science documentaries, and has been a regular columnist for the Irish Times science page.

### Logistics:

- This talk will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the talk.
- Ahead of the talk teachers and their classes are encouraged to email any questions they may have for Aoife to [browland@kildarecoco.ie](mailto:browland@kildarecoco.ie) putting the words "Aoife McLysaght – Question" in the subject line. There will also be an opportunity on the day to ask questions.
- This talk will include a hands-on experiment. Teachers will need to have the following materials ready for their students to participate in pairs or within their class pods: Water, salt, washing-up liquid, surgical spirits (as cold as possible), strawberries, 2-3 plastic cups, cocktail sticks/coffee stirrer, coffee filter, elastic bands, ziploc bags.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.



Open event for all schools but spaces are limited. Please contact your local library for the date of this talk and availability



# CSI Workshops

## with Anyone4Science

5<sup>th</sup> - 6<sup>th</sup> Class  
60 mins

In this workshop children will be introduced to crime scene investigations from the point of view of the forensic scientist. They will be taught two tests frequently carried out by forensic scientists and will then use these to test the inks and soils from a crime scene and six suspects. Can they work out who did it by analysing their results?

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- Activity packs will be delivered to the school in advance of the workshops. There will be a pack each per class pod so no sharing outside of pods will be required.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Athy Library	Thursday 4th November	10:00am
Leixlip Library	Thursday 4th November	11:15am
Maynooth Library	Thursday 4th November	12:30pm



## Reptile Superpowers Workshop with the National Reptile Zoo

Junior Infants - 6<sup>th</sup> class  
60 mins

Learn all about the amazing superpowers of reptiles in this fascinating workshop. The National Reptile Zoo will introduce some of its scaly and most impressive creatures with superpowers to rival the best fictitious superheroes. The class will learn about the colour and texture of reptiles and their adaptation and superpowers. They will also have an opportunity to create their very own creature.

As part of the National Reptile Zoo's commitment to conservation through education their team of staff actively work towards developing learning opportunities for varied age groups, interest groups and curricular overlaps. Learning through inquiry and sensory processes is central to all their programmes.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Celbridge Library	Tuesday 9th November	9:30am
Kildare Town Library	Tuesday 9th November	11:00am
Leixlip Library	Tuesday 9th November	1:00pm





# Imagination Exploration

## with Brilliant Events

Junior Infants - 2<sup>nd</sup> class  
30 mins

Embark on a magical journey into a land of imagination, dreams, and wishes. A 30-minute show that demonstrates the power of using creativity. Magic and ideas are combined to spark interaction and excitement. The show aims to strengthen the foundation of STEAM subjects by helping students to develop their critical thinking skills and using their imagination as a problem-solving tool.

Albert Einstein said that 'Imagination is more important than knowledge'. This workshop will be emphasising thinking outside the box and demonstrating that you cannot solve some problems until you can imagine a solution. Put another way, you have to imagine it before you can do it.

### Logistics:

- The workshops will be delivered live through Zoom. The meeting ID and password for the Zoom meeting will be sent to the teacher ahead of the workshop.
- Minimal assistance will be required from the teacher in helping the children to interact with the workshop.

### Technical requirements:

- A laptop/PC connected to a large screen to view the workshop.
- A webcam linked to the laptop/PC if possible so that the facilitators can see the teacher / pupils.
- Speakers and a microphone (built-in on the laptop/PC or connected externally) so that the facilitators can hear questions and comments.

Celbridge Library  
Naas Library

Thursday 11th November  
Thursday 11th November

9:30am  
11:00am







**DISCOVER  
EXPLORE  
LEARN**

**AT YOUR LOCAL LIBRARY**

# KILDARE LIBRARIES

## Contact Details

### ATHY LIBRARY

 045 980 555  
 athylib@kildarecoco.ie

### MAYNOOTH LIBRARY

 01 628 5530  
 maynoothlib@kildarecoco.ie

### CELBRIDGE LIBRARY

 01 627 2207  
 celbridgelib@kildarecoco.ie

### NAAS LIBRARY

 045 879 111  
 naaslib@kildarecoco.ie

### KILDARE TOWN LIBRARY

 045 520 235  
 kildarelib@kildarecoco.ie

### NEWBRIDGE LIBRARY

 045 906 130  
 newbridgelib@kildarecoco.ie

### LEIXLIP LIBRARY

 01 606 0050  
 leixliplib@kildarecoco.ie



Science



Technology



Engineering



Arts



Maths

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