



EXPLORATHON '15

EUROPEAN RESEARCHERS' NIGHT • EDINBURGH



SEPTEMBER 25TH

12 PM - 6 PM



THE UNIVERSITY of EDINBURGH

Edinburgh Napier UNIVERSITY



University of St Andrews

BELTANE PUBLIC ENGAGEMENT NETWORK





Science Safari

Would you like to know all the interesting science spots around the zoo and earn some rewards by visiting them? If yes, then the Science Safari app is just what you need!



Talks @ the Penguins

Mind Reading - @ 1 pm & 3 pm

Come and learn about excitable cells, the electrical currents inside your bodies and the shocking history of bioelectricity! Have your brain-waves recorded and find out how this can be used in the future!

Extreme (A)Symmetry @ 1.45 pm & 4 pm

Is symmetry even a thing? And what's that got to do with you? From definition to beauty to the Big Bang, come and shine a new light on your world!



Little Minds @ Rhinos!

Ever wondered how the brain works? Come and play with some brain models, and find out more about what goes on inside your head!



Education Centre

Hands-on Biology

Join us extracting DNA from strawberries, see protein crystals form before your eyes, come face-to-face with a sabre-toothed tiger (and other large beasts) and hear researchers talk about the impact their work is having in the real world.

The Phantom Entomologist

Glimpse into an age of insects where micro-politics of organisation, habitat and co-operation are revealed through inventive bodies.

Extreme (A)Symmetry

Use paper, scissors and toothpicks to play with crystals and create rainbows. Plus, do you wanna build a snow...flake?

Sonopill

Go on a fantastic voyage and see how doctors, scientists and engineers are currently working to build a micro-robotic pill that can help diagnose and treat a variety of gut diseases.



The Big Griller

Climate Change – can rocks be the answer?

Geology in a shoebox - how can we tell what types of rocks are under our feet and can they be used to stop climate change?

ScienceSea Sketches

Create your own cartoon characters to add to the zoo creations and colour in some sciencesea marine creatures!



Scientists out of White Coats @ Living Links

Come and learn how to be a comparative psychologist for the day studying the behaviour of apes, monkeys and humans. Learn how to tell the monkeys apart and who's who. Learn all about glitter poo and have a go at some puzzles that monkeys, chimps and children have done.



Toxicologist Training @ the Ecohut

From cells to snails - figure out which critters aren't feeling so well and learn to think like a toxicologist! Come meet the team of wee beasties that help to keep the land and sea clean!



Budongo

EnLightenment

Come and experience a secret universe inside living cells. Compete for prizes in 'Build your own microscope' races and use your mobile phone as a powerful microscope! See how glowing jellyfish let us see inside the tiny world of living cells and look under your own fingernails with microscopes - ewww!

Creative Cameras

How do you take images so fast that you can see light travelling through the air? How do you use the latest technology to look round corners and see objects hidden from view? Come along and see the world in a brand new way.

Weather Games

Help Brad the ice-cream seller to choose where to go based on weather forecasts: we will show you how technology can help you make better decisions!

Squirrel Wars

Explore the plight of the red squirrels as they battle the grey squirrels for survival. Make a red or grey squirrel for the squirrel map of the UK to show where you can find reds and greys.

Lighting up the Lung

Come and try out hands on science activities and find out how a group of chemists, physicists, engineers and medics are revolutionizing health care for critically ill patients.

Mixed up Science - Does Sugar Rush?

What happens to all the sugar you eat? Come and see how different scientists work together answer this question!

Anomalous Animals

Race your family and friends in the great animal 'odd one out' challenge. Can you tell one Giant Panda from another and know your leopard print from your jaguar print? Come and test your skills and find out why we teach computers to find the 'odd one out' too.

3D Printing Body Parts

See a 3D printer at work and learn about the cans and can'ts of 3D printing.

Blood Factories

Do you know we can manufacture blood? Researchers at Heriot-Watt are working on this tremendous topic and will allow you to enter this bloody world.



The RZSS Team



Come and meet the RZSS team and explore how the wildgenes team are helping protect animals from illegal trading, and how the Conservation team use camera traps to survey for rare and endangered cats both at home and abroad.

Come aboard the Wild about Scotland Bus and learn about our native animals and some of the issues they face!



Quantum Robin on the Main Lawn

Learn how birds use the magnetic field to find their way – follow their paths and navigate like a bird!