



NATIONAL
SCIENCE &
ENGINEERING
WEEK

14-23
MARCH
2014

THIS MARCH,
DISCOVER
SCIENCE

Aberdeen and Aberdeenshire
Events Guide



Aberdeen and Aberdeenshire EVENTS GUIDE

National Science & Engineering Week is the UK's annual celebration of science, engineering and technology, led by the British Science Association.

This March, we're delighted to bring you an exciting programme of talks, workshops and hands-on activities. Most are free and all will inspire you to think, question and discuss!

Our events are made possible through the generous support of BP, the Scottish Government and the University of Aberdeen. The programme is coordinated by the British Science Association Aberdeen Branch.

So we invite you to explore the universe, listen to experts, be a science super hero and even make (bath) bombs and fire. Don't forget this year's Discovery Day at Satrosphere Science Centre on Saturday 22 March where, with free entry, we invite you to an array of scintillating science.

Finally, it's worth remembering that although many of the events are just turn-up-at-the-door, there are a few that require booking, so please do check the details.

bp



www.britishsociety.org/aberdeen
Aberdeen and Aberdeenshire programme

www.britishsociety.org/national-science-engineering-week
National activities and events

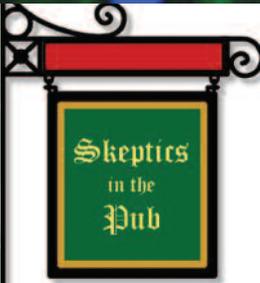


[F/britishsocietyaberdeen](https://www.facebook.com/britishsocietyaberdeen)

For general information, contact Mandy Tulloch of the British Science Association Aberdeen Branch on M: **07929 465680**.

Front cover: Vitamin A signalling in human cerebellar Purkinje neurons, © Professor Yara Fragoso, University of Aberdeen.

Find out more about similarly remarkable cells at our Bring Your Own Brain event, Food on your mind, on Friday 21 March.



Aberdeen Skeptics in the Pub: Ask For Evidence

Thursday 13 March, 7.30pm

Cellar 35, Rosemount Viaduct,
Aberdeen, AB25 1NQ

This is not just a talk; it is a call to arms! Every day, we hear claims about what is good for our health, bad for the environment, how to improve education and cut crime. Some are based on reliable evidence and scientific rigour. Many are not. Come and hear Chris Peters from Sense About Science talk about The Ask for Evidence campaign, what it is going to do next and how you can get involved.

Free admission, but booking essential. Over 18s only.
See aberdeen.skepticsinthepub.org/
for ticket information.

Ask for
evidence



senseaboutscience.org/a4e



Launch event An Evening with Lucy Hawking

Friday 14 March, 7pm

MacRobert Building, King's College,
Old Aberdeen, AB24 5UA

This event is kindly supported by Wood Group PSN.

Lucy Hawking is an author and journalist perhaps best known for her novels written with her father Professor Stephen Hawking, the George's Secret Key to the Universe series. Join her on a journey across space to learn more about these adventure stories and hear her discuss the use of imagination in science and the importance of sparking young minds with the wonders of physics and cosmology.

E: aberdeenbranch@britishscienceassociation.org

Free admission but booking essential
<https://lucyhawkingaberdeen.eventbrite.co.uk>



Fantastic Forests

Saturday 15 March, 10am to 12 noon

Countesswells Wood, Aberdeen, AB15 8QD

Join the Forestry Commission Ranger for some terrific tree science! Ever wondered how to measure the height of a tree without climbing it? How much water trees need to survive? Or, how much wildlife lives on trees? Come along to discover the answers and many more fascinating facts about the wonderful world of trees.

T: 01466 794161

E: Moray&aberdeenshire@forestry.gsi.gov.uk

Free admission, but booking essential.
Children must be accompanied by an adult.



Forestry Commission Scotland
Coimisean na Coilltearachd Alba

Makelt-Glo

Saturday 15 March, 10am to 1pm;
repeated again 2pm to 5pm

Room 311, Meston Building, Meston Walk,
University of Aberdeen, Old Aberdeen, AB24 3UE

Join the Aberdeen hackerspace for a three hour introductory electronics workshops and build a bendy, multi-coloured 'Makelt-Glo' lamp using a Digispark microcontroller. Then, use software to programme its colours and brightness – yours to take home!

£12, book online at 57north.co/wiki/Makelt-Glo

Under 18s to be accompanied by an adult.

W: 57north.co/



Mill of Benholm Families investigating science

Saturdays 15 and 22 March,
10am to 3pm

Mill of Benholm,
Benholm by Johnshaven, DD10 0HT

Mill of Benholm near Johnshaven, south of Stonehaven, is the only surviving traditional water-powered meal mill in Aberdeenshire. Come and investigate the science behind the fully restored machinery and take part in a variety of family activities including bird of prey displays, meccano making, scalectrix racing, bike skills sharing and ancient crafts. The mill also has a millpond, riverside walk, cottage garden, extensive woodland and tea room.

T: 01561 362466

E: mill_of_benholm@btconnect.com

W: www.millofbenholm.org.uk

Free admission, no booking required.



Family Forest School Event

Saturday 15 March, 10am to 12 noon;
repeated again 1pm to 3pm

North East Forest Education Initiative Cluster Group
Scotland's Rural College, Craibstone Campus,
Aberdeen, AB21 9YA

Join FEI for some family fun outdoor activities!
Explore the woodlands, find fresh water
minibeasts, negotiate a blindfolded trail, cook
on an open fire and make woodland creatures.

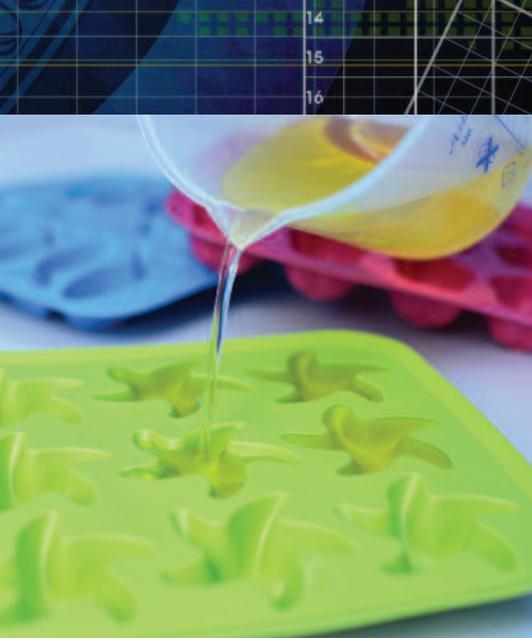
Contact **Julia Mackay**

T: 01330 811576

E: deesideforestschoools@btinternet.com

Free admission, but booking essential.





Bath Wars

**Saturday 15 March and Sunday 16 March,
10am to 5pm**

**Satrosphere Science Centre,
The Tramsheds, Constitution Street,
Aberdeen, AB24 5TU**

If you happen to enjoy fizzy science, things that smell nice or glitter, come along to our day of cosmetic DIY and discover the world within beauty products. Visitors can help make bath bombs and other bath-time incendiaries, as well as a range of soapy treats. Gain a chemical understanding of the things we put on our skins and walk out smelling sublime! This event is supported by BeautyByTheGeeks, the fabulous chemists making science beautiful.

Contact Amy Hayward on T: **01224 640340** or
E: amy.hayward@satrosphere.net for more information.
W: www.satrosphere.net

No advanced booking required, workshop participation included in normal entry price. Adult £5.75, Child (age 4+) £4.50, Concession £4.50. Activities repeated throughout the day.

Citizen Science: Get Involved!

Sunday 16 March, 12 noon to 4pm

**Aberdeen Biodiversity Centre, Zoology Building,
University of Aberdeen, Tillydrone Avenue,
Aberdeen, AB24 2TZ**

Come along to the newly re-launched Aberdeen Biodiversity Centre to test your skills at native mammal identification, learn about the importance of biological recording and get ideas for taking part in some local conservation projects.

T: **01224 274545**
W: www.abdn.ac.uk/biodiversity



Free admission, no booking required.



Looking Beyond The Garden – using plants for habitats

Sunday 16 March, 1.30pm to 2.30pm

**Cruickshank Botanic Garden,
St Machar Drive, Aberdeen, AB24 3UU**

Mark Paterson, Curator of the Cruickshank Botanic Garden, will give a tour of the Garden highlighting plant choice to promote animal habitats. He will also discuss how the botanic collection is used by students and academic staff to study animal populations. Meet in the Zoology Building foyer – free parking in the Zoology Building car park on Tillydrone Avenue.

Mark Paterson, Curator
T: **01224 273 638**
E: mark.paterson@abdn.ac.uk
W: www.abdn.ac.uk/botanic-garden

Free admission, no booking required.

Café MED

Parkinson's: something old, something new

Monday 17 March, 6pm

Suttie Centre, Foresterhill Health Campus,
Aberdeen, AB25 5ZD

Professor Peter Teismann (Parkinson's
Researcher) and Dr Carl Counsell (Honorary
Consultant Neurologist), University of Aberdeen

Come along to our relaxed CaféMED talk and discussion
to hear from leading researchers who will explore what
we know about Parkinson's disease and how new
research is helping us better understand this
progressive, frequently disabling brain condition.

E: peru@abdn.ac.uk
W: www.engagingaberdeen.co.uk

Free admission, no booking required.

caféMED



Café Controversial

Does going green need to cost the earth?

Tuesday 18 March, 7pm

Satrosphere Science Centre,
The Tramsheds, Constitution Street,
Aberdeen, AB24 5TU

Dr David Toke, Politics and International
Relations, University of Aberdeen

With energy bills ever on the increase, our drive
towards renewable energy is often singled out for
blame, but is this fair? Join us as we discuss the
economic impact of going green. This year's
programme complements the Mission Possible
exhibition being hosted by the University of
Aberdeen and Satrosphere until April.

Amy Hayward
T: 01224 640340
E: amy.hayward@satrosphere.net
W: www.engagingaberdeen.co.uk

Free admission, no booking required.



Café Scientifique Great White Hope

Wednesday 19 March, 7pm

Waterstones Union Bridge, Aberdeen,
AB11 6BG

Dr Helen Dooley, School of Biological Sciences,
University of Aberdeen

Coffee and a slice of science! We'll explore how research into the immune systems of sharks is helping us understand human autoimmune diseases such as arthritis and develop new drugs for cancer.

E: peru@abdn.ac.uk

W: www.engagingaberdeen.co.uk

Free admission, no booking required.



Techmeetup: Trusted Tiny Things

Wednesday 19 March,
6.30pm for 7pm start

North side Meston Building,
University of Aberdeen, Meston
Walk, Old Aberdeen, AB24 3UE

TechMeetup is a monthly excuse for developers and tech-interested individuals to meet up and learn new stuff from each other – no name badges nor sales pitches, just informative presentations. This month features the Trusted Tiny Things (T3) project which investigates trust and transparency in online and mobile technologies. Come and hear about their latest research and how Hoot, the Raspberry-pi stuffed toy barn owl is helping research family privacy and security issues.

W: techmeetup.co.uk/aberdeen.html

Free admission and pizza, no booking required.
Under 18s to be accompanied by an adult.

Takeover DIY Cosmetics

Wednesday 19 March, 7pm

Satrosphere Science Centre,
The Tramsheds, Constitution Street,
Aberdeen, AB24 5TU

We invite you for an evening of fizzy bath bombs, and glittery science, as we explore the world of cosmetics and beauty treatments for grown-ups during our monthly Takeover event. Enjoy fizzy refreshments and delicious drinks, as we discuss the science behind surfactants and what all those emulsifiers mean. Whether you're a hardened beauty blogger, somebody with an eye for the pretty, or casually interested in science stuff, come along to discuss and make your own science-y cosmetics. We'll have our own soaps that you can help us make, as well as the opportunity to have a go at our interactive exhibits. This event is supported by BeautyByTheGeeks, the fabulous chemists making science beautiful. Over 18s only.

T: 01224 640340

W: www.satrosphere.net

Free admission, no booking required – cosmetics and smelly things available on the night.



Discovery Gallery A Brief History of Timelines

Thursday 20 March, 7pm

Aberdeen Maritime Museum, Shiprow,
Aberdeen, AB11 5BY

**Dr Ben Marsden, Director of the Centre for
History and Philosophy of Science, Technology
and Medicine, University of Aberdeen**

A series celebrating the Aberdeen astronomer Sir David Gill. We'll explore how his and others' fascination with telegraphic communication and accurate clock-making helped contribute to the creation of standard international datelines and the mapping of the remotest parts of our globe. The Discovery Gallery takes inspiration from the commemorative exhibition on Sir David Gill at Aberdeen Maritime Museum.

E: peru@abdn.ac.uk

W: www.engagingaberdeen.co.uk

**Free admission, but booking essential –
www.aagm.co.uk.**

Discovery
Gallery

WINTER - SPRING PROGRAMME 2014



Incredi-Brain

The secrets of your most incredible organ!

Thursday 20 March, 6pm to 8.30pm

Satrosphere Science Centre,
The Tramsheds, Constitution Street,
Aberdeen, AB24 5TU

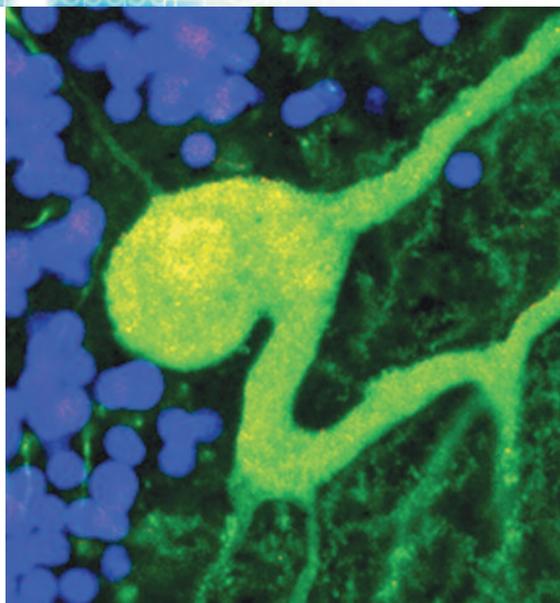
Come along for an evening of fascinating science surrounding your most complex organ – your brain! Try activities to confuse yourself, learn mesmerizing facts and harness hidden powers you never knew you had! With help from researchers and professionals, it will really stick in your mind!

T: 01224 640340

E: peter.nurick@satrosphere.net

W: www.satrosphere.net

Free admission, no booking required. All welcome.



Bring Your Own Brain IV

Food on your mind

Friday 21 March, 6pm

Suttie Centre, Foresterhill Health
Campus, Aberdeen, AB25 5ZD

The popular Bring Your Own Brain event returns for 2014! The brain is the overall control centre of appetite and energy expenditure, using interconnected neurological systems to assess and respond to changes in metabolic state. University of Aberdeen medical scientists Professors Lora Heisler and Peter McCaffery and Doctors Mirela Delibegovic, Sandy Ross and Lynda Williams will discuss astonishing findings about how our brain controls what we eat and how the wrong nutrition can damage our brain and may contribute to Alzheimer's disease.

E: peru@abdn.ac.uk

Free admission, no booking required.



Scottish Birdwatchers Conference 2014: Birds and People... A Natural Relationship?

Saturday 22 March, 9.45am

**Zoology Building, University of Aberdeen,
Tillydrone Avenue, Aberdeen, AB24 2TZ**

Internationally renowned speakers from the world of ornithology present some fascinating insights into the relationship between birds and people. This full-day event, hosted by the British Trust for Ornithology and the Scottish Ornithologists' Club, includes lunch and refreshments, with optional field trips for delegates on Sunday 23 March. For full programme and booking details visit www.the-soc.org.uk

Delegate fee: £28. Booking deadline: 28 February.



© Edmund Fellowes



© Aberdeen Art Gallery & Museums

Exhibition: Sir David Gill

Aberdeen's Royal Astronomer

18 January – 29 March 2014

**Aberdeen Maritime Museum, Shiprow,
Aberdeen, AB11 5BY**

Born the eldest son of an Aberdeen watchmaker, David Gill grew up to become the foremost practical astronomer of his age. This exhibition marks 100 years since Gill's death and explores the story of this local lad and how his passion for science would take him around the world.

Aberdeen Maritime Museum

Free admission

Opening hours

Tuesdays – Saturdays: 10am to 5pm

Sundays: 12 noon to 3pm

Closed Mondays

ABERDEEN MARITIME MUSEUM



TECHFEST IN SEPTEMBER

Aberdeen and North-East Scotland's Festival of
Science, Technology, Engineering & Mathematics

6 - 26 SEPTEMBER 2014



CEREBRAL SCIENCE



DISCOVERY SERIES



SILVER SCIENCE



TALKING BACK TO SCIENCE



FAMILY EVENTS



Joint Principal Funders

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TECHFEST-SETPOINT

Promoting Science, Technology, Engineering and Mathematics

For more information and to register on our mailing list, visit

www.techfestsetpoint.org.uk/tis

SCHOOLS OUTREACH

Activities for Schools

ADAPTIMALS!

AGE P4+ | Aberdeen City Council Countryside Ranger Service

17 – 21 March | Outreach to Aberdeen City | Free

Simon Whitworth, M: 07785 951 052 or
E: swhitworth@aberdeencity.gov.uk

Teams take on the role of an evolving animal population, each with different strengths, habitat and diet. The world of Adaptimals will challenge these populations and the resources they need to survive – the largest population wins!

AERODYNAMICS

HOW DOES THE SHAPE OF A VEHICLE AFFECT THE SPEED IT WILL TRAVEL?

AGE P7–S4 | 17, 19 March | 1pm to 3pm | Free

North East Scotland College, Aberdeen City Campus (Gallowgate)

Up to 36 pupils (18 if lab only). 1 hour for lab only, 2 hours for planetarium/laboratory. All groups must be accompanied by a member of school staff.

Douglas Fraser, T: 01224 612190 or E: douglas.fraser@nesco.ac.uk

A laboratory workshop looking at the effect of aerodynamics on vehicle design. Pupils will construct models, and conduct tests in the physics laboratory to identify the designs with the best aerodynamic features. This workshop can also be combined with the College's Planetarium presentation.

ALL AT SEA!

THE STORY OF OCEAN DRIFTERS

AGE P6–S2 | Marine Scotland Science

www.scotland.gov.uk/Topics/marine

18 – 20 March | 10am – 12 noon or 1pm – 3pm. City and Shire

Up to 30 pupils. Hall or very large classroom. 90 minutes | Free

Bee Berx, T: 01224 295358 or E: b.berx@marlab.ac.uk

Fancy a ride on the ocean currents? In this workshop, pupils will have the chance to explore the history of measurements of ocean currents: from a message in a bottle to the latest modern technology. Find out why knowing about ocean currents is important and how marine scientists measure them.

BIRD BONANZA!

AGE P5 – P7 | Mill of Benholm, Johnshaven

18 – 21 March | Up to 33 pupils. Half or all day | Free

Mike Burtleigh T: 01561 362466 or E: mill_of_benholm@btconnect.com

A rare and wonderful opportunity for pupils to observe and question scientists at work compiling important data on

bird health and migration. Watch scientists catch birds in mist nets, weigh, measure and ring the birds. Additional Curriculum for Excellence science and technology topics also available.

COUNTRYSIDE, DIGITAL, LIFE?

AGE P3–S6 | dot.rural RCUK Digital Economy Hub | Free

17, 19-21 March. Other dates by request.
Outreach to schools – city and shire

Up to 33 pupils. 50 – 75 minutes. Needs large room or hall for different 'stations' to be set up (and space for pupils to move between them, tables are fine).

Dr Jennifer Holden, T: 01224 274238 or E: j.a.holden@abdn.ac.uk

At this interactive workshop discover how digital technology from mobile phones to satellite internet can help improve people's lives in the countryside. The innovations cover topics from buses to bumblebees and family history to first aid and more.

THE EARTH, THE STARS AND ALIEN LIFE

AGE P7, S1 – S6

North East Scotland College, Aberdeen City Campus (Gallowgate)

17 – 21 March | 10am to 12 noon or 1pm to 3pm | Free

Up to 36 pupils (25 if planetarium only). 1 hour for planetarium only, 2 hours for planetarium/laboratory. All groups must be accompanied by a member of school staff.

Douglas Fraser, T: 01224 612190 or E: douglas.fraser@nesco.ac.uk

An enthralling presentation in the College's Planetarium will give fascinating insights into Earth's place among the stars and the possibility of the existence of alien life. The presentation can also be combined with stimulating laboratory activities.

THE EASTER EGG & THE BRAIN

AGE P4 – P5 | Live Wire Productions

10–14 March. Other dates by request | Large floor space required for game plan! Up to 33 pupils. 45 minutes. Outreach to schools.

£120+VAT Minimum of two workshops/visit. Mileage costs may apply

Wendy Greig, T: 01569 731841 or E: Wendy@livewireproductions.org.uk

Live Wire Productions presents a new science drama workshop about how the brain works! Our body, language, problem solving, our senses, learning, health, personality, memory will all be investigated.

Power a car, sow seeds or visit a lab – there's lots to do!

ELECTRICITY~EXTRA ELECTRICITY

AGE Electricity P1-3, Extra Electricity P4-7

Shell Education Service

17 – 21 March (other dates by arrangement). Free to schools who haven't had a Shell workshop within the last 2 years. Up to 3 workshop/day, one class per workshop. Duration c 75 minutes.

Liz Robertson E: e.m.robertson@tesco.net

Hands on approach to electrical circuits. Older pupils use Solar cells in lieu of batteries.

EXPLORE YOUR UNIVERSE COLOUR AND LIGHT

AGE P7 – S2 | Satosphere Science Centre | 17 – 21 March

Workshop lasts 45 minutes. Max 30 pupils per workshop. Cost is £3.50 per pupil (includes workshop and time to explore Satosphere's hands-on exhibits – recommended duration of visit: 2 – 2.5 hours). Up to 30 pupils.

Marie Dare, T: 01224 640 340 or E: marie.dare@satosphere.net

Pupils will explore reflection, absorption and refraction of light before experimenting with colour mixing and using colour filters.

EXPLOSIONS & IMPLOSIONS

AGE P7 – S2 | Free

North East Scotland College – Aberdeen City Campus (Gallowgate)

17, 20, 21 March 10am to 12 noon or 1pm to 3pm

Up to 36 pupils (18 if lab session only). 1 hour for lab only, 2 hours for planetarium/laboratory. All groups must be accompanied by a member of school staff.

Douglas Fraser, T: 01224 612190 or E: douglas.fraser@nescol.ac.uk

A fun laboratory workshop where pupils will undertake a series of chemistry and physics related activities with explosive outcomes! This workshop can also be combined with the College's Planetarium presentation.

GUNGE CHEMISTRY

AGE P7 – S3 | Free

North East Scotland College – Aberdeen City Campus (Gallowgate)

18, 19, 20 March, 10am to 12 noon or 1pm to 3pm

Up to 36 pupils (18 if lab session only). 1 hour for planetarium only, 2 hours for planetarium/laboratory. All groups must be accompanied by a member of school staff.

Douglas Fraser, T: 01224 612190 or E: douglas.fraser@nescol.ac.uk

Pupils will produce glue from milk and test the effectiveness of the glue. They will then make fluorescent

"slime" which they can take home. This workshop can also be combined with the College's Planetarium presentation.

LEARNING ABOUT FOOD PLANTS

AGE P5 – P7 | Duthie Park Ranger Service, Duthie Park, Aberdeen

Up to 25 pupils | Free

18 March: 10am to 11.30am, 19 March: 10am to 11.30am and 1pm to 2.30pm, 20 March: 1pm to 2.30pm

Claire McGivern (Duthie Park Ranger),
E: CmcGivern@aberdeencity.gov.uk

Tour the David Welch Winter Gardens to look at different food plants growing in the glasshouses, including olives, bananas, coconuts and pineapples and figs. Discuss their place of origin and the necessary conditions for growth. Then, set up a sweet pepper seed germination experiment to take back to school.

MAKE A DNA PENDANT

AGE S3 – S6 | Free

North East Scotland College – Aberdeen City Campus (Gallowgate)

17, 20 and 21 March, 10am to 12 noon or 1pm to 3pm

Up to 36 pupils (18 if lab session only). 1 hour for planetarium only, 2 hours for planetarium/laboratory. All groups must be accompanied by a member of school staff.

Douglas Fraser, T: 01224 612190 or E: douglas.fraser@nescol.ac.uk

Pupils will use established techniques to extract a sample of their own DNA, which they will place in a pendant to wear and take away. This workshop can also be combined with the College's Planetarium presentation.

MUCKY MOSSY MATHS

AGE P5 – P7 | RSPB at Muir of Dinnet National Nature Reserve,
Burn O'Vat Visitor Centre, Dinnet, Aboyne, Aberdeenshire, AB34 5NB

Thursday 20 and Friday 21 March, 10am – 12 noon or 12.30 – 2.30pm.

Donation of £2 per child. Pin badges are available for a donation of £1 each. Up to 33 pupils. Times are flexible, you are welcome to stay and enjoy Muir of Dinnet, having lunch either after or before your session.

Claire Marsden, E: claire.marsden@rspb.org.uk

Bring your maths heads into the forest to help us measure trees, count tree rings, and find out what's symmetrical in the woods. This is an outdoor workshop, so please make sure everyone comes with plenty of cosy layers, a drink, snack and some lunch.

DISCOVERY DAY

At Satrosphere Science Centre Free entry for all



ADAPTIMALS!

Aberdeen City Council Countryside Ranger Service

Take on the role of an evolving animal population, each with different strengths, habitat and diet. The world of Adaptimals will challenge these populations and the resources they need to survive. Sometimes animals will compete for dwindling resources and in the end the species with the largest population wins!



BUILD A MACHINE OR CREATURE

BP with John McGill of ComputerXplorers

Using the latest Lego robotics technology come and build a creature using motors, gears and wheels. Find out about programming and sensors to make a bird chirp, crocodile snap and plane engine rev!



CAR BOOT SCIENCE

TechFest-SetPoint

Car Boot Science is an exciting and engaging take on the physics of the world around us. Come along and get involved with our interactive experiments and activities throughout the day at Satrosphere.



DON'T LET A GOOD THING GO TO WASTE

Aberdeen City Council Waste Aware Team

Join the Waste Aware Team on a Discovery Day adventure at Satrosphere! Re-imagine the world with us as we explore the possibilities of reuse and recycling with a day of fun activities for all the family.



EXPRESS YOURSELF!

Psychiatry Group, University of Aberdeen

Did you know that people express their emotions differentially depending on their cultural background? In our interactive workshop we will look at how both children and adults express their emotions and see if they can copy emotional faces.



GREY MATTERS

Satrosphere Science Centre

2014 is the Year of the Brain in Europe, so celebrate by taking a special look at our body's most important organ! Explore how your brain works and how we can trick and confuse it in this new interactive show!

Saturday 22 March 10am – 4pm

Satrosphere Science Centre, The Tramsheds, 179 Constitution Street, Aberdeen AB24 5TU
Travel details and map available at www.satrosphere.net or telephone 01224 640340



MEDICINE IN 3D

Medi-Cal Unit and Digital Learning Foundation,
University of Aberdeen

Experience the latest in 3-dimensional techniques for teaching being developed at the University of Aberdeen. An interactive drop in session that will run throughout the day.



SCIENCE SUPER HEROES

The Aberdeen Science Grrls

Come along and meet some real life science super heroes, find out about their scientific super powers and make a pledge to save the world from the 'knowledge thieves'.



THE SECRET LIFE OF THE SKELETON

Institute of Medical Sciences, University of Aberdeen

Why is bone so strong? How does it repair itself? What goes wrong in bone disease and how can we prevent this? With the help of props, images, animations – and “skeleton Bob” – these and other secrets will be revealed by musculoskeletal researchers from the University of Aberdeen in this workshop.



STAR SEABIRD TRACKING AND RESEARCH

RSPB Scotland

Where do seabirds go to find their food? Come and find out more about the RSPB's groundbreaking research using satellite tracking technology to discover where the seabirds go when they leave their cliff nesting areas to look for food out at sea. There will be games and activities for all the family.



WATERY WORKSHOPS

Aberdeen Maritime Museum

How many simple, science experiments can you complete in just 30 minutes? We will attempt to answer this question with a series of fascinating and fun, water based, hands-on science activities.

SPONSORS

PRINCIPAL SPONSORS



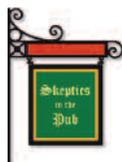
ADDITIONAL PARTNERS AND SUPPORTERS



ABERDEEN MARITIME MUSEUM



NORTH EAST SCOTLAND COLLEGE



National Science & Engineering Week is the UK's annual celebration of science, engineering and technology and is coordinated by The British Science Association, www.britishscienceassociation.org. The British Science Association is a charity registered in Scotland, No SC039236.

The Aberdeen and Aberdeenshire programme is coordinated by the British Science Association Aberdeen Branch, www.britishscienceassociation.org/aberdeen.