



# 2014

## 10th-23rd NOVEMBER

### SCIENCE WEEK

9-16 NOVEMBER 2014

#SciWk2014

### REMEMBER!!

SCIENCE & TECHNOLOGY EXHIBITION

NUI Galway  
Sun Nov 23<sup>rd</sup>  
10am-6pm

# Galway Science

## & Technology Festival

Féile Eolaíochta & Teicneolaíochta na Gaillimhe

## SECONDARY SCHOOL PROGRAMME

### REELLIFE SCIENCE

Make a 1-3 minute video communicating science in an entertaining way – open to Primary & Secondary Schools  
[www.reellifescience.com](http://www.reellifescience.com)

### TRUE PHYSICS

Learn about flight pressure, light, sound and electricity – launch rockets, make music and fly helicopters with Declan Holmes

### THE STRANGE WORLD OF FORCES BY DR PAUL McCRORY

Find out what it feels like to be safely vacuum-packed; discover the forces involved in air/water rockets; and travel on a hovercraft.

### DR KEN'S CIRCUS

Discover the scientific principles used by circus performers using gravity in their tricks and stunts. It's science but not as you know it!!

### SCIENTIFIC SUE'S CHEMISTRY SHOW

"The X-traordinary Science Show"  
A Burning, Bubbling, Exploding and Magical X-perience. Danger! Science Magic: Fun Guaranteed



### JAMES SOPER'S SCIENCE SHOWS

Bend it like Beckham - The Real Science of the Circus Galileo's Greatest Mistake

### FANTASTIC DNA

As part of the Cell EXPLORERS roadshow, Young explorers will have the chance to build a DNA double helix and extract DNA from cells to take home.



Something Science and Technology for everyone at GMIT and NUI Galway!

### NUI GALWAY EVENTS

Visit our Museums: suitable for Primary & Secondary School students

Zoology and Marine Biology Museum – email [anne.cryan@nuigalway.ie](mailto:anne.cryan@nuigalway.ie)

Geology Museum – email [lorna.larkin@nuigalway.ie](mailto:lorna.larkin@nuigalway.ie)

Computer Museum - contact Brendan Smith  
[Brendan.smith@insight-centre.org](mailto:Brendan.smith@insight-centre.org)

Visit the Sea Science exhibition presented by NUI Galway's Ryan Institute at the Galway City Museum. - to book email [museum@galwaycity.ie](mailto:museum@galwaycity.ie)

ReelLife Science: Make a 1-3 minute video communicating Science in an entertaining way. Closing 17th Oct. [www.reellifescience.com](http://www.reellifescience.com)

Interpreting Landscape: Tim Robinson and the West of Ireland: exhibition in the NUI Galway Hardiman Building, presented by the Moore Institute.

Open your mind at the 3rd annual THREESIS competition as researchers battle it out to get to the point in 3 minutes, 3 slides to 3 judges.

Join the NCBS Roadshow and take a look at the exciting future of Biomedicine in Ireland. Book email [william.brennan@nuigalway.ie](mailto:william.brennan@nuigalway.ie)

### GMIT EVENTS

Science, Technology and Engineering Learning Experiences at GMIT!  
To book contact [slo@gmit.ie](mailto:slo@gmit.ie)

Careers in Science - Live Online in the Classroom

Creating Software Apps and Online Markets This session will go through the 'toolkit' required to build an app and market online.

Could you build a satellite? A CanSat is a simulation of a real satellite, built inside an empty soft drinks can. This workshop will cover aspects of building the CanSat and selecting its mission for launch. To sign up your secondary school to attend the workshop and compete for GMIT CanSat 2015 contact [slo@gmit.ie](mailto:slo@gmit.ie)

Sussing Slippery Slimes & other Species – An Identification Workshop of slimy and slippery algae from the local seashore

The Ocean and Us; An introduction to the Awesome Atlantic – in the Marine Research Laboratories

ISTA Science Quiz – Senior Cycle Secondary School Students 13th November - 7.30

Sustainable Energy Communities – comes to your school as part of the Green Schools Initiative Engaging Engineering with the Community

Guided Tour of GMEDTECH - GMIT Biomedical Engineering Research Centre

Building and Civil Engineering Workshops - live simulations in GMIT Labs.

GMIT Engineering Labs in Hydraulics/Structures/ Surveying run on Wednesdays from 2pm-3pm. To book a class email [mark.deegan@gmit.ie](mailto:mark.deegan@gmit.ie)

### Career Talks

Smart Futures are training people with science and technology backgrounds to give career talks to students in secondary schools around Ireland. These are volunteers from organisations such as pharma chemical, medical devices, energy and technology companies, as well as from research centres and academia.

Career talks are aimed at Junior Cycle and Transition Year students, with a view to encouraging them to keep on STEM subjects, but may also be available for Senior Cycle students.

Visits are free, so if you are a guidance counsellors, science teacher or TY coordinator interested in requesting a visit, please register your interest with [SmartFutures@sfi.ie](mailto:SmartFutures@sfi.ie).

## TEACHERS MUST BE IN ATTENDANCE AT ALL TIMES DURING EVENT



# Medtronic



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