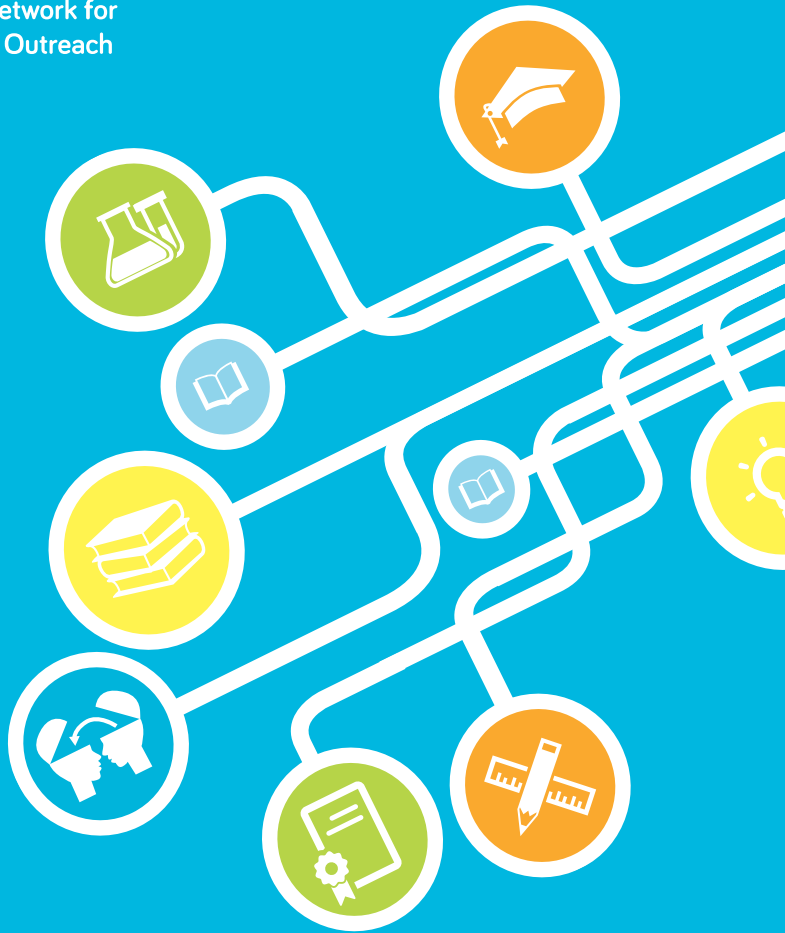
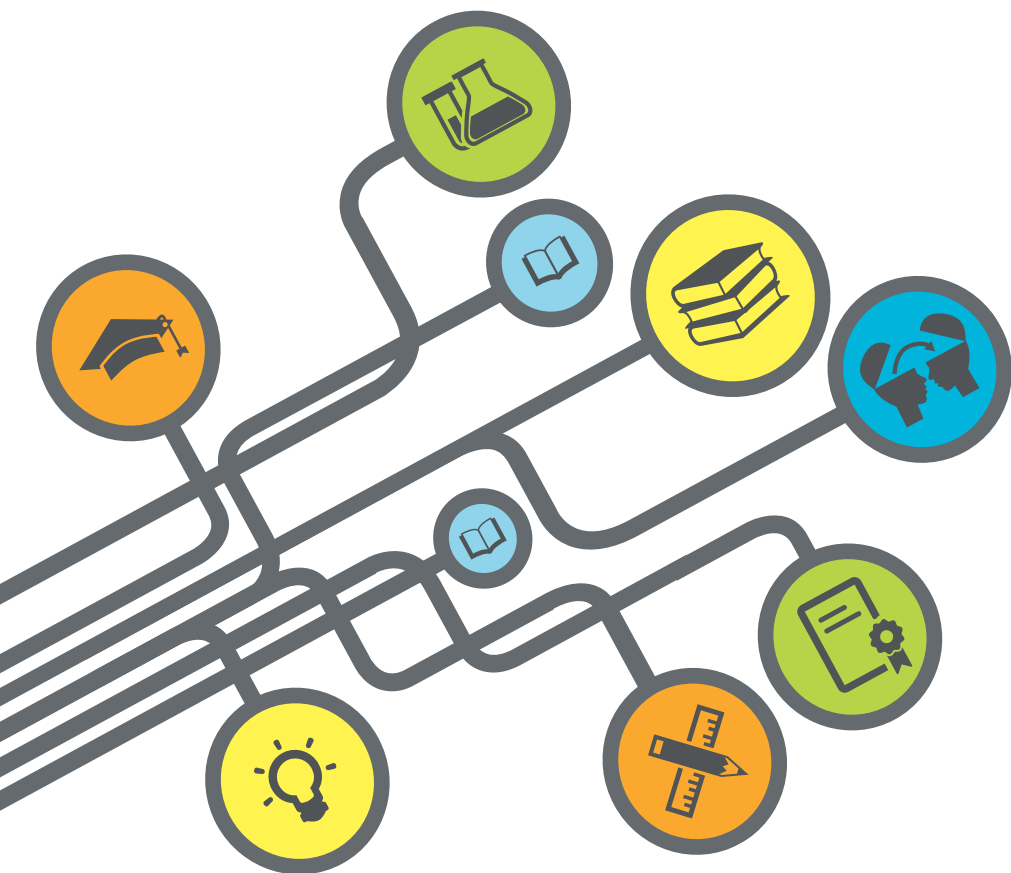


# MNCO

Merseyside Network for  
Collaborative Outreach



British Science Week  
11th–20th March 2016



Please note information in this booklet is correct at time of printing February 2016, events may be subject to change or revision. Please contact individual institutions for further details and availability of spaces on events.

## British Science Week.

**British Science Week is a 10 day programme of events and activities to celebrate science, technology, engineering and maths. Events are held all through the UK and are aimed at people of all ages and ability groups.**

Liverpool is home to a number of academic and professional institutions with a strong commitment to scientific exploration.

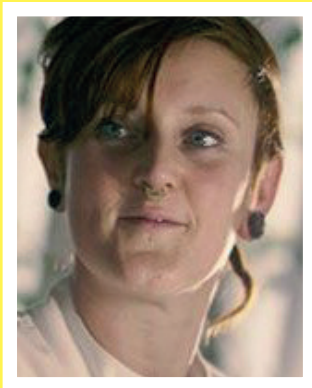
This year, partner institutions of the Merseyside Network for Collaborative Outreach (MNCO) will be hosting events during British Science Week. Details of these events can be found throughout this booklet, along with contact information for booking to attend.

You will also find some information about partner institutions within the MNCO, details of their science provision and profiles of students currently studying science and technology in Liverpool.

## Merseyside Network for Collaborative Outreach

The Merseyside Network for Collaborative Outreach (MNCO) is a partnership of Universities and Colleges in Liverpool. A HEFCE funded initiative, we work together to raise aspirations, provide students with increased knowledge of Higher Education and make young people aware of the wide range of educational and career pathways available to them.

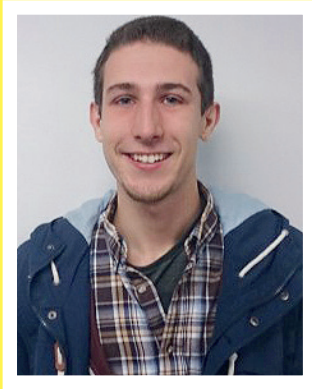
For more details of the MNCO please visit the website [www.mnco.org](http://www.mnco.org) or alternatively please contact Chris Bayes, MNCO Collaborative Network Manager via email [chris.bayes@liv.ac.uk](mailto:chris.bayes@liv.ac.uk) or by phone 0151 794 5350



## Student Stories

**Name:** Emma Smith  
**University:** Liverpool John Moores University  
**Subject:** PhD Marine Biogeochemistry  
**Why did you choose this course?:** Being able to research an area of the environment that such as the Deep Ocean is fascinating

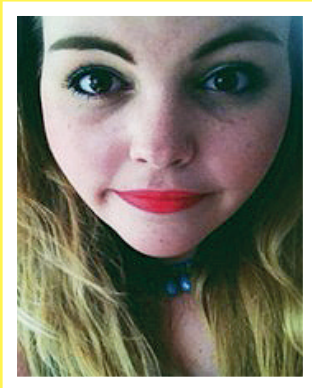
**After Graduation:** I want to continue in Marine Sciences research and hopefully become a university lecturer and/or public engagement officer.



**Name:** Mathew Thompson  
**University:** Edge Hill University  
**Subject:** IT (Networking Security and forensics)  
**Why did you choose this course?:**

I chose this course because the range of different aspects of IT based work that we cover throughout the first year at University.

**After Graduation:** I'm looking at doing my PGCE teaching qualification, but at the moment my options are open to start work in the industry.



**Name:** Chloe Boyles  
**University:** Liverpool Hope University  
**Subject:** Primary Education with Human Biology

**Why did you choose this course?:** I really enjoy science. I get a great sense of excitement from lab research and experiments

**After Graduation:** I want to complete my NQT year and move back to Spain to peruse a career in Primary teaching.



# University of Chester



The University of Chester STEM Outreach programme offers school and college students an opportunity to see what 'real' engineers and scientists do through practical applications and problem solving workshops in Science, Engineering, Mathematics and Computer Science.

The programme highlights the links between physics, chemistry, biological sciences and engineering with core mathematics and computational sciences. Young people participating in STEM activities at the University will gain an understanding of the cross-disciplinary skills in STEM that reflect the nature of scientific enquiry and technological innovation in the world of work.

The aim is to inspire young people, raise awareness of higher level study and future career opportunities in STEM whilst offering curriculum enhancement and enrichment and to widen access to groups who are under-represented in STEM subjects to address future skills needs, for example, by encouraging more girls into engineering.

Faculty staff research programmes and employer partnerships both on site and regionally, provide input into STEM Outreach activities and opportunities for schools to take part in collaborative projects. Employers and University student STEM Ambassadors supporting STEM activities act as mentors and powerful role models for young people visiting the Thornton Science Park. A programme of public lectures also helps to engage teachers and parents, thereby helping students to make the right decisions for successful

To find out about activities University of Chester will be running during British Science Week, please contact the university's Outreach Team on enquiries@chester.ac.uk



# Edge Hill University



Edge Hill University is a campus based university situated in Ormskirk. The Faculty of Arts & Sciences is the largest of the University's three faculties, with several Departments all focused on delivering the best possible standards in teaching.

The majority of the Department of Biology's teaching takes place in our well-equipped Biosciences building which features excellent ICT facilities, a range of laboratories and prep rooms, access to equipment such as a Scanning Electron Microscope, PCR and climate controlled insectories.

Similarly to this the Department of Geography boasts a brand new building with a large lecture theatre, small group teaching rooms, a geology laboratory, geo-information laboratories, and a dedicated physical geography and environmental science teaching laboratory and an analytical/research laboratory in the new Biosciences Building.

The Department of Computing provides undergraduate and postgraduate taught and research degrees in modern areas of computing, notably Web, Mobile Application development, Information Security, Forensics, Games programming, Information Systems and Networking. Computing and Web students take part in real-life projects which enhance their employability, particularly in networking, web systems, and mobile application development.

## Event Details:

Biology Public Lecture Series

17th February; 2nd March; 16th March 5pm - 6.30pm

Complimentary buffet and refreshments provided

For more details or to book a place please Edge Hill's Education Liaison team via email at [educationliaison@edgehill.ac.uk](mailto:educationliaison@edgehill.ac.uk) or by telephone 01695 584388

# Liverpool Hope University

Liverpool Hope  
University

Liverpool Hope's Faculty of Science is currently undergoing some exciting new developments. Work on the University's new £8.5 million Health Science Building at Hope Park has been completed and staff and students are using the new facilities, which include; specialist laboratory spaces dedicated to nutrition, genomics, cell biology and psychology, along with laboratories and space for sport and exercise science. There is a 25m sprint track with force meters and motion capture for biomechanical analysis, a phlebotics lab for blood sampling, and treadmills and BODPODs for physiological analysis. There is also a double height robotics suite and engineering lab to aid the building and testing of drones.

These new facilities will complement and enhance the University's existing science provision which includes subjects in the fields of Geography, Environmental Science, Health Sciences, Psychology, Mathematics and Computer Science.

## Event details:

Virtual Reality workshop. Learn how to create virtual environments like those used in gaming and special effects in films. This event will be ideal for students aged 12–15 years old

**Tuesday 15th March** 12.30pm - 3.30pm

Liverpool Hope University will be hosting further events during British Science Week. These activities will range from interactive workshops to public lectures. Events will be open to school groups and individuals who would like to attend.

For more details on the events the Liverpool Hope University will be hosting during British Science Week please contact UK Student Recruitment on [enquiry@hope.ac.uk](mailto:enquiry@hope.ac.uk) or 0151 291 3111

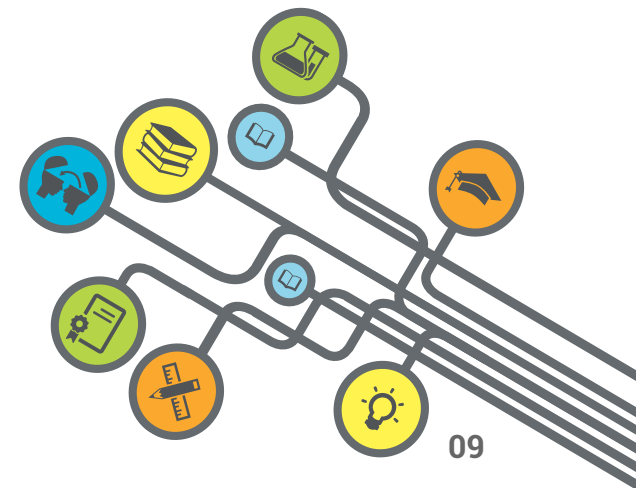
# University of Liverpool



EdMed was founded in January 2015 by medical students at the University of Liverpool. The ambition is to help widen participation in medicine and to provide information and guidance to prospective medical students. The idea behind having a student led organisation is that there are thousands of medical students throughout the UK, each with their own application story. Who better to give advice and support to prospective students than individuals studying medicine who have been through the process recently?

EdMed is mainly comprised of medical students, though there are also a number of junior doctors involved who are keen to share their experience of being students and how it has prepared them for a career in medicine and the realities of that first night of being on call! In addition EdMed has an advisory board ranging from academics, clinicians and career advisors who have helped develop teaching sessions aimed at giving prospective medical students the information and skills they need to make a strong application to study medicine.

University of Liverpool will be running a series of interactive sessions across British Science Week, for more details on events or to book to attend please contact Ben Toleman-Transition to HE Officer via email at [widepart@liv.ac.uk](mailto:widepart@liv.ac.uk) or via telephone 0151 792 4413





# St Helens College



University Centre St Helens is committed to achieving excellent academic success and is dedicated to the innovation and development of STEM subjects, striving to deliver the utmost quality foundation degrees to prepare students for a career in this exciting industry.

University Centre St Helens has unique and excellent facilities across all of its STEM areas, providing students with the best learning experience possible.

Types of courses available include a mixture of HNC/HND study programmes as well as Foundation Degree programmes in Computing, Microbiology, Chemistry, Exercise, Health and Fitness and Engineering.

The popular STEM curriculum aims to provide students with the skill set required to assist them in achieving their career goals. Students can be assured that they will gain the relevant competencies and behaviours that the employers within these innovative industries are looking for.

With expert and professional lecturers on hand, students benefit from their extensive academic and industry experience. Students will also be supported in their own development and learning by lecturers and through the access to excellent facilities, industry links and work placement opportunities, we can ensure that they will be a competitive candidate in the world of work.

## Event details :

Engineering – Automation workshop, using Raspberry pi's & PLC'S to operate a conveyor belt system.

**Tuesday 15th March** 9.30am - 12.30pm

For more details or to book students to attend this workshop please contact Katie Lewis, HE Student Liaison Officer - [KLewis@sthelens.ac.uk](mailto:KLewis@sthelens.ac.uk)

# Liverpool John Moores University



Liverpool John Moores University offers a broad STEM provision which is delivered by the Faculty of Science, and the Faculty of Engineering and Technology.

The Faculty of Science consists of the schools of Natural Sciences and Psychology, Pharmacy and Biomolecular Science, and Sports and Exercise Sciences. Between these schools a broad range of degrees are available across the Biological Sciences, Geography, Psychology, Biomedical Science, Pharmaceutical Science, Pharmacy and Applied Chemistry, Applied Sports Psychology, Science and Football, and Sports and Exercise Science.

The Faculty of Engineering and the Environment consists of the departments of Maritime and Mechanical Engineering, Built Environment, Computer Sciences, Applied Mathematics, Civil Engineering, Electronics and Electrical Engineering, as well as the Astrophysics Research Institute, the Lairdside Maritime Centre, and the Centre for Entrepreneurship. A range of courses are available including Astrophysics, Mathematics, Computing and Software Courses, a suite of Architectural, Building, and Civil Engineering Courses and Mechanical, Electrical, and Maritime Engineering courses.

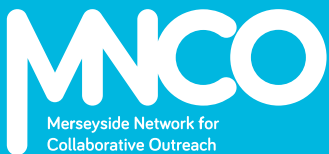
Research from both Faculties have first-rate research institutes and centres and provided good evidence of world-leading research performance.

## Event details:

This will be an event to promote Women in Environmental Sciences and so will be a series of three 1 hour workshops that students will rotate around, sessions will be based around Natural Sciences and Technologies

**Friday 18th March** 9:45am - 3:00pm

For more details or to book to attend please contact: Emma Smith: [e.l.smith1@ljmu.ac.uk](mailto:e.l.smith1@ljmu.ac.uk).



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## CONTACT DETAILS

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L69 3GD

**PHONE:** 0151 794 5350

**EMAIL:** [chris.bayes@liv.ac.uk](mailto:chris.bayes@liv.ac.uk)

**TWITTER:** @MNCOutreach

