



The Manchester Museum

In April 2013 our redeveloped Birds and Insects gallery will re-open as **Nature's Library**. The gallery will showcase our collection of preserved animals, plants and fossils, collected from around the world over the last 200 years. For more information see our website:

www.museum.manchester.ac.uk/yourvisit/galleries/natureslibrary

Do your students understand the concept of empire? In our **'Empire Explained'** session students will handle objects and determine what they reveal about the empires from which they originate. For more details or to make a booking contact: catherine.lumb@manchester.ac.uk or call **0161 306 1765**.

John Ryland's Library Deansgate

Our William Blake, **Burning Bright workshops** are a great way to explore the library's latest exhibitions through a series of workshops delivered by postgraduate students at the University:

"The Old and New Testament are the Great Code of Art" KS3 workshop explores the idea of re-telling stories from the Bible through different creative mediums, taking as its inspiration The John Rylands Library's newly discovered copy of William Blake's *Illustrations of the Book of Job*. Places are available: **13-17 May 2013**.

Aimed at KS3 students, **"Laughter"** looks at poetry analysis and writing, focused on the universal and timeless act of laughter. Learners will look at the poetry of William Blake and construct their own poems. Dates available: **30 April and 1, 3 May 2013**.

For more information or to book call the education team on **0161 275 8743** or email uml.education@manchester.ac.uk

Whitworth Art Gallery

TACTILE TOO: A Contemporary Textile Handling Resource is a free contemporary textiles handling resource. Use it alongside the existing resource TACTILE in the gallery or used in a school or college setting.

Sculpture in the Environment is a bespoke hands-on workshop working with a creative practitioner to explore sculpture in the gallery grounds. Cost £90 for a half day session. Maximum **20** students. To book please call **0161 275 8455** or e-mail: denise.bowler@manchester.ac.uk

Our **'99% Ape'** workshop encourages students to investigate their prehistoric past. Using replica hominid skulls, students will investigate the evidence to piece together the origin of our species. We're looking for groups to trial this workshop with us for FREE in the Summer Term. For more info contact: emily.robison@manchester.ac.uk or call **0161 306 1764** or visit the website: www.museum.manchester.ac.uk/learning/ks34reallifescience

Further details of our full programme is available at: www.museum.manchester.ac.uk/learning

Jodrell Bank Discovery Centre

Outreach sessions are now available for delivery in your school from the education team at Jodrell Bank Discovery Centre. These sessions are available to schools who qualify under the Widening Participation criteria.

KS3 Electricity and Magnetism covers the structure of an atom, electrons, electricity, electric fields and magnetic fields and then shows a real life application of all of these: particle accelerators. A model particle accelerator and experiments with a Van de Graaff generator are among the highlights of this session.

KS4 Atoms, Radiation and the Universe covers the size of an atom, electrons, electricity, particle physics, ionising radiation and cosmology. A model particle accelerator using a Van de Graaff generator and a cloud chamber are among the highlights of this session.

There are several hands-on activities for your pupils during these workshops. Further Education, Higher Education and careers are also discussed.

For further details and availability, please contact Linda Bennett: linda.bennett@manchester.ac.uk tel: **0161 306 9584**

For schools with Y12 provision



The University of Manchester Aspiring Students' Society

UMASS is a society for Y12/13 learners which offers exciting opportunities to come on to campus, including Personal Statement sessions and taster lectures. On Wednesday 17 and 25 April UMASS will be running revision sessions in Biology, Chemistry and Maths for members who are taking AS/A2 exams in those subjects. The sessions will help students revision skills, as well as the opportunity to speak to current undergraduate students studying in these areas. If you or your students are interested please sign up as a member of UMASS: www.manchester.ac.uk/umass @UMASS6

Open Days

The best way for your students to get a feel for what The University of Manchester is all about is visit us on one of our open days. Students can attend subject sessions delivered by members of staff, take tours of the campus and library and find out information about our key student services.

Our next Open Days are on:

- Friday 21 and Saturday 22 June 2013
- Saturday 5 October 2013

Individual students can now register to attend at: www.manchester.ac.uk/undergraduate/opendays or if you would like to bring a group of students you can register your school or college at www.manchester.ac.uk/undergraduate/opendays/groups For further information email: openday@manchester.ac.uk

For Teachers and Advisors

Science and Maths Teachers Conference

This summer the University will host a free CPD event for Secondary and Post-16 teachers of Maths and Sciences with the aim of *passing on the spark of inspiration*. We will run two events: 26 and 27 June for STEM Teachers and other professionals involved in the teaching of Maths and Sciences. 26 June will have a Chemistry/Biology focus, and 27 June will have a Maths/Physics focus. Both events are free, and will include a Keynote lecture as well as interactive workshops from current researchers. **Registration is essential** – you can find full details and book online here: <http://www.manchester.ac.uk/undergraduate/schoolsandcolleges/secondary/stem/stem-teachersconference>.

You are welcome to attend both days, however please complete a separate registration form for each day.

Discover Days in Summer 2013

Post-16 students who are thinking of applying to study at Manchester are invited to attend a range of Discover Days this summer. Each day focuses on degrees in a different subject area, and offers experience of lectures and workshops, careers information and the chance to meet academic staff and students. We have a range of events on offer this June/July: from Engineering to Midwifery; Social Anthropology to Law. Individuals can attend alone or teachers can bring small groups of students. For further information or to book online:

www.manchester.ac.uk/discoverdays

Religions and Theology College Visits

The Religions and Theology department has put together a package for Y12/13 students, which includes a presentation on 'Studying Religion at University', 'University Life' and an interactive lecture on 'Religious and Philosophical Views of Life after Death'. Schools and colleges can pick either of these talks, which can be delivered separately or together. This scheme has proved popular over the last four years and we are in the process of arranging visits to colleges, free of charge.

Contact: francesca.frazer@postgrad.manchester.ac.uk

A fond farewell!

Many of you may have worked with Julian Skyrme during his 12 years within the department UGR&WP and it is with heavy hearts that we wish him the best of luck in his new role as Director of Social Responsibility at the University. As Head of UGR&WP, Julian has not only helped drive forward the work and activities we provide but has been a great inspiration to the team and the work we do. Good luck, Julian – you will be missed!



Julian Skyrme

MANCHESTER
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The University of Manchester

News for Schools

The University of Manchester teacher's newsletter

MANCHESTER GATEWAYS

One of our Widening Participation fellows working with local learners during the recent Y9 visits.

The University of Manchester Gateways Programme is targeted at local learners in Y7-11 who we know are less likely to progress to university for a variety of reasons. The 39 schools participating in the programme are given the opportunity to attend campus visits and participate in workshops to learn more about university and the variety of subjects that can be studied in Higher Education. The Gateways Programme has already welcomed over 760 pupils on to campus over the last 5 months and looks forward to more successful campus visits during the spring term.

Year 8 Familiarisation Visits

Prior to the new year and over the last few weeks, the Manchester Gateways Programme has welcomed 31 schools on to campus to take part in our Year 8 Familiarisation Visit. Over 460 pupils were introduced to the wide range of different subjects available at university through taking part in hands-on and stimulating activities led by postgraduate researchers from The University of Manchester. Learners worked with pupils from other schools and developed their knowledge of STEM, Life Sciences and Humanities subjects studied at university.

Year 9 "Build Your Future" Events

The Manchester Gateways Programme has also recently welcomed over 500 pupils from 35 schools on to campus to take part in our Year 9 'Build Your Future' Event. The students were encouraged to think about what they want from their future – what their natural talents and strengths are and how these can be applied to different university course and career areas e.g. Arts and Humanities, Science

and Engineering and Healthcare. Learners got involved with various activities that focus on different pathways to careers, transferable skills required by employers and learnt about courses and careers in two specific academic areas of interest to them.

The Programme now looks forward to greeting our new cohort of Year 7 students as they embark on their Gateways journey in April and May.

Contact: gateways@manchester.ac.uk
www.manchester.ac.uk/gateways

Gateways Mentoring: Mentoring Launch Event

Gateways can offer additional benefits to selected schools signed up to the Programme including the Gateways Mentoring Scheme. The Mentoring Launch Event took place on Wednesday 13 February and was attended by mentees, parents, teachers and mentors. The mentoring scheme runs for 2 academic years; starting in Year 10 with mentoring sessions being delivered in schools by current University students who act as mentors. The sessions explore the choices the young learners must make in the coming years as well as giving them information about HE, university, and student life. With over 130 attendees, it was the biggest launch event yet and a fantastic evening was had by all. It gave everyone involved an opportunity to meet, as well as receive more information about the scheme and associated activities such as the Access to the Professions Days and the Year 10 residential Summer School. For more information please contact: gatewaysmentoring@manchester.ac.uk



A group of Year 9 students having their picture taken with the Premier League and Capital One trophy during a recent Manchester Higher campus visit.

Manchester Higher

Manchester Higher is a partnership programme between Manchester Metropolitan University and the University of Manchester which aims to provide high quality, impartial information and advice about Higher Education in order to increase awareness and raise ambitions amongst targeted learners in Greater Manchester.

These one-day events give Year 8 and 9 learners the opportunity to reflect on their choices for the future, in advance of choosing their GCSE options. Learners will examine the implications of their GCSE choices and look at how these choices influence their future and the possibility of entering Higher Education.

The event includes workshops, a campus tour and the opportunity to speak with current undergraduates from The University of Manchester and Manchester Metropolitan University.

There are spaces available on the following dates; the event will begin at Manchester Metropolitan University:

Monday 20th May 2013
Tuesday 21st May 2013

Please complete the online booking form and send it to: schoolsoutreach@mmu.ac.uk.

The booking form can be found on our website: www.manchester.ac.uk/manchesterhigher.

Please click on 'University Visits' and download the relevant booking form.

Manchester Higher Teacher CPD

The University of Manchester and Manchester Metropolitan University are committed to providing relevant CPD sessions for teachers and teaching staff across Greater Manchester. These are designed for colleagues who work with both pre and post-16 learners, advising them about their options for the future in relation to Higher Education.

The following session will take place at The University of Manchester this academic year:

Progression Pathways
Wednesday 1 May, 3.30pm – 5pm

Teacher CPD sessions in schools

This is a great opportunity to host a Teacher CPD session in school for teaching staff from across the borough where your school is located. Each session will be 1.5 hours and the topics offered are:

- Student Finance
- A Beginner's Guide to UCAS
- Progression Pathways

Please contact: claire.byrne@manchester.ac.uk for more information or to book a place at any of the sessions.

Past events and forthcoming programmes

Star Lectures

The Star Lecture Series gives teachers and pupils access to exciting curriculum resources delivered by some of the University's leading academic staff. These lectures cover topics on the national curriculum and exam syllabuses, link students' studies to current research, and offer an insight into university study. The series covers a variety of subject areas and age ranges, from Year 9 to Sixth Form.

As well as inviting schools to attend these lectures led by leading University researchers such as Professor Dame Nancy Rothwell and Professor Brian Cox, the presentations are also filmed and are available on our website, enabling them to be used



Professor Dame Nancy Rothwell

in class as a teaching aid. To view these lectures, please visit: www.manchester.ac.uk/starlectures

The Young Persons University website

The Young Persons University is a new website for students and teachers, providing learning tools based on the current research being undertaken at The University of Manchester.



On this site you will find self-study challenges related to the main subject disciplines at the University: Engineering and Physical Sciences; Humanities; Life Sciences; Medical and Human Sciences. These challenges are designed to outline key concepts within a particular subject area, or to showcase current research being undertaken at the University.

Included within each Challenge is the option to discover more about studying related subjects at university and future career options. There are also links to additional resources related to that subject area.

The blog will be updated regularly, and will highlight the research being done by The University of Manchester's Widening Participation Fellows: PhD candidates from across the University who work to engage young people with university life and study. Information about research developments and public engagement activities will also feature on this page.

The teachers' section provides information and resources for teachers to support subject-specific activities, and access to Higher Education generally.

The new site is available at: www.ypu.manchester.ac.uk

Your Future Your Choice Conference

On Wednesday 17 and Friday 19 April, The University of Manchester hosted the annual 'Your Future, Your Choice BME student conference' open to all BME Y10 pupils at Greater Manchester schools. The conference, now into its sixth year, aimed to highlight future opportunities and inspire young people to make positive choices for their future. The events were a great success with 8 schools in total attending over the two days.

READ International

READ International is a student led charity, based at 15 universities across the country, which collects unused books to send to the children of Tanzania.



The student volunteers from the local project at The University of Manchester need your help! To help change the current educational situation in Tanzania, where there is currently around 1 textbook per child, we want to find a new home in a refurbished Tanzanian library for the books which are in your school storerooms but are no longer used as part of the curriculum. For more information about donating your books at one of our National Donation Days, or the project in general please contact Lee Livsey at manchester@readbookproject.org.uk.

For more information about READ International please visit: www.readinternational.org.uk

Academic Enrichment Programme

The University of Manchester offers a wide programme of academic enrichment activities. These give students the opportunity to explore various disciplines, working with our academics and students to provide engaging and challenging workshops, lectures and online resources. Open to all schools, the days offer unique opportunities for the development of skills and knowledge. Our activities include:

- Taking Maths Further
- Explore Engineering Day
- Insight into... days in a range of subject areas:
 - History
 - Geography
 - Archaeology and Classics
- Manchester History Day

More events will be added to the website throughout the year and many of these complement regional and national events such as the ESRC Festival of Social Science, the Manchester Histories Festival and the Manchester Science Festival.

Contact: schoolsandcolleges@manchester.ac.uk
www.manchester.ac.uk/undergraduate/schoolsandcolleges/secondary/academic-enrichment

'Why Study?' presentations with optional workshops

The 'Why Study?' series provides up-to-date Information, Advice and Guidance (IAG) to young people so that they are able to make informed decisions about their future. This suite of presentations is delivered in schools, and raises awareness of, and aspiration to, some of the most competitive and demanding subject areas.

The presentations can also be combined with an interactive workshop. The workshops have been designed by post-doctoral researchers and postgraduate students at the University, who are at the forefront of research in their respective fields. The workshop aims to give learners a hands-on, interactive taster of the subject area. The featured subject areas provide an introduction to topics they may not have encountered yet but are interested in pursuing post-16. The subjects currently on offer include:

- Engineering
- Environmental Sciences
- Health Care
- Law
- Social Sciences

For more information email: schoolsandcolleges@manchester.ac.uk

Our academic departments also offer a range of activities open to school groups

Social Sciences in Schools

This project is aimed at raising awareness of Social Sciences subjects. Aimed at Y11 students, the project includes the opportunity to meet an admissions tutor/WVP manager from the School of Social Sciences, a free book – 'Social Sciences – The Big Issues' for your school library or resource centre and the opportunity to form links with the University.

The project hopes to work with up to 5 schools and places will be allocated on a first-come, first-served basis. For more information about the Widening Participation work taking place within the School of Social Sciences' visit: www.socialsciences.manchester.ac.uk/undergraduate/wideningparticipation

The Build a Beam Challenge

This workshop for pupils in Years 10/11 is run by students and scientists from the School of Materials. Learners will work in small teams to design and build a beam suitable for aerospace applications. Each beam will be tested to destruction and we will then calculate who has designed the winning beam! The workshop will introduce Materials Science and gives learners the opportunity to learn about different mechanical tests and the factors considered by engineers. For any questions or to book a place for your school email: laura.winters@manchester.ac.uk or call 0161 306 5959.

Engineering Materials Summer School: 15th – 18th July 2013

Materials Science is an exciting subject! Materials scientists can be found working in a variety of careers from designing materials for aerospace, to creating biomedical implants for the human body. This Summer School aimed at Year 10/11 students is a 4 day residential course. Students will take part in lectures, practical laboratory activities, challenges and social activities. They will also stay in a University Halls of Residence, visit a leading transport company, meet current engineering students and work with world-class scientists. To find out more information or to book a place visit: www.latest2.manchester.ac.uk or contact Laura Winters: laura.winters@manchester.ac.uk or 0161 306 5959.

School of Arts, Languages and Cultures – Schools Outreach Programme

The School of Arts, Languages and Cultures, which comprises 17 disciplines, runs a dedicated schools outreach programme every year. For further information please see their website: www.alc.manchester.ac.uk/aboutus/schoolsandcommunityengagement