

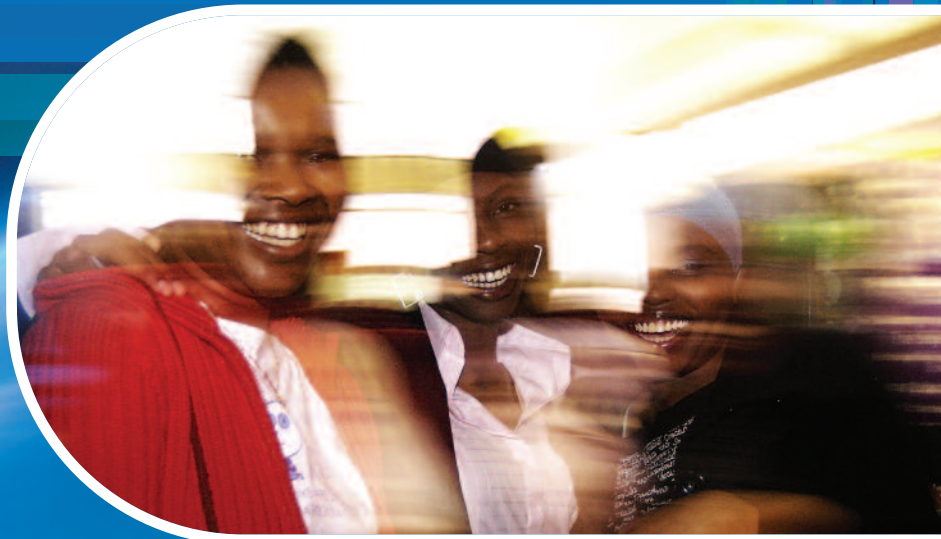
MANCHESTER
1824

The University
of Manchester

gifted and talented events

at The University of Manchester

2011-2012



Forensic Science: A Bog Body Mystery

This hands-on laboratory practical gives students a chance to become a Forensic Scientist whilst getting insight into the real life applications of DNA analysis and archaeologists in solving crimes. Students will use the available clues to piece together the evidence and solve the mystery.

Date:	Arranged in agreement with Schools
Time:	10am – 1pm
Subject Focus:	Science
Year Group:	Flexible, suitable for all ages
Target Group:	Gifted and Talented
Max Group Size:	20
Cost:	£100

Manchester History Day

This day, co-hosted by the Manchester Museum, the Whitworth Art Gallery and The University of Manchester, will use the collections and history of all three institutions to explore the lives, contributions and legacies of some of the key figures involved in Manchester's industrial and social development.

John Dalton, Joseph Whitworth, John Owens...we see their names on buildings and street signs every day. But who were they? What did they contribute to Manchester's industrial and social development? And how do their contributions to culture and learning impact on us today? This event will explore these themes and more, as part of the 2012 Manchester Histories Festival.

Date:	Tuesday, 6 March 2012
Time:	9.45am – 2.30pm
Subject Focus:	History
Year Group:	Y9
Target Group:	Gifted and Talented
Max Group Size:	10
Total number of attendees:	40
Cost:	Free

Introduction to Programming

Come and spend the day in the School of Computer Science at The University of Manchester. You will be given a crash-course introduction to the Linux operating system, and its powerful command line interface, and you will have a chance to get your hands (virtually) dirty carrying out some programming tasks designed to show the power and importance of Computer Science. You will also have a chance to informally chat to current students and staff, so if you have any questions about university life, or Computer Science itself, come prepared!

Date:	Wednesday, 18 January 2012
Time:	10am – 4pm
Subject Focus:	Computer Science
Year Group:	Years Y8 and Y9
Target Group:	Gifted and Talented (in maths and computer-related subjects)
Total number of attendees:	30
Cost:	Free

Girls into Engineering

This event is for Y10 girls with an interest in Science and Technology. Working in teams, participants will build, test and race their own hovercraft in this exciting, hands-on experience.

The event is designed to inspire and encourage girls to consider pursuing science subjects in the future and to raise awareness of the different courses that can be studied at university.

Date:	Thursday, 10 May 2012
Time:	9.30am – 3.45pm
Subject Focus:	STEM
Year Group:	Y10
Target Group:	Gifted and Talented
Max Group Size:	Team of ten per school
Total number of attendees:	80
Cost:	£150

Boys into Engineering

This exciting, hands-on experience combines team building and technical problem solving. Aimed at Y10 boys with an interest in Science and Technology, participants will build, test and race their own hovercraft using a variety of skills including communication and problem solving. This event aims to raise awareness of university life and opportunities in science.

Date: Friday, 11 May 2012
Time: 9.30am – 3.45pm
Subject Focus: STEM
Year Group: Y10
Target Group: Gifted and Talented
Max Group Size: Team of ten per school
Total number of attendees: 80
Cost: £150

Insight to Politics

This event will give Gifted and Talented learners, who are currently studying or are interested in subjects such as politics, economics and business studies, an overview of Politics at university level and the degree courses available. The event will also include a tour of the department and the learning spaces used by Politics students. Learners will have the opportunity to explore one or more areas of domestic or international politics in more depth in an interactive workshop.

Date: Wednesday, 7 December 2011
Time: 9.45am – 2.30pm
Subject Focus: Politics; international politics
Year Group: Y10
Target Group: Gifted and Talented
Max Group Size: 10
Total number of attendees: 60
Cost: £150



Insight to Law

This event will give learners an overview of Law and the degree courses available, a tour of our School of Law and two interactive workshops focusing on core aspects of the study of Law. This is an excellent opportunity to get advice from the School of Law on potential AS/A2 subjects and preparation that will prove useful in applying to study Law.

Dates: Tuesday, 22 November 2011
Thursday, 24 November 2011
Time: 9.45am – 2.30pm
Subject Focus: Law
Year Group: Y10
Target Group: Gifted and Talented
Max Group Size: 10
Total number of attendees: 60
Cost: £150

Insight to History

This event will give Gifted and Talented learners, who are currently studying History and/or are interested in Historical related studies, an overview of the range of History disciplines offered at university level and the degree courses available. Learners will have the opportunity to explore at least two History-related disciplines in depth through attending interactive workshops. Workshops will cover: Ancient History, Archaeology and Art History. The event will also include a campus tour, tour of the department and a tour of the learning spaces used by History students.

Date: Friday, 27 January 2012
Time: 9.45am – 2.30pm
Subject Focus: History
Year Group: Y10
Target Group: Gifted and Talented
Max Group Size: 10
Total number of attendees: 60
Cost: £150

Taking Maths Further

Aimed at those students likely to take A-level Maths and/or Further Maths, these days are designed to show learners "what comes next" in Mathematics. Day included Maths talk, puzzles, information on Maths at university.

Dates:	Wednesday, 11 January 2012 Monday, 26 March 2012 Wednesday, 20 June 2012 Tuesday, 26 June 2012
Time:	10am – 2pm
Subject Focus:	Maths
Year Group:	Y10 and / or Y11
Target Group:	Gifted and Talented
Max Group Size:	15
Total number of attendees:	100
Cost:	£150

I love Art, so what are my career options?

This event will provide young artists with an insight into career options in the Arts. The students will meet with a variety of practitioners from visual artists, curators, university lecturers and arts educators, to explore the vast array of university routes. Students will enter into philosophical debate about historical and contemporary objects from the collection to develop good critical analysis and communication skills.

Date:	Tuesday, 22 November 2011
Time:	10am – 3pm
Subject Focus:	Art
Year Group:	Y12
Target Group:	Students who are interested in finding out more about a career in the Arts through a university course

Max Group Size:	10
Total number of attendees:	30
Cost:	£150

Shakespeare A-Level Study Day

We would like to invite AS-Level students to take part in a series of interactive workshops on Shakespeare and his works. This will be followed by the annual John Stachniewski Memorial Lecture in the evening, which is delivered by an eminent Shakespeare scholar each scholar.

Academics and postgraduates from the English department at The University of Manchester will offer 60-minute workshops on Shakespeare including the following:

- Shakespeare on film
- Approaching Shakespeare: important ideas

Students will also take part in talks about studying English Literature at university and a campus and library tour.

Date:	Wednesday, 8 February 2012
Time:	10am – 4pm
Subject Focus:	English, Drama
Year Group:	Y12
Target Group:	Gifted and Talented
Max Group Size:	10 (in the first instance)
Total number of attendees:	60
Cost:	Free

Contact details

To book a place on any of these activities please visit the following www.manchester.ac.uk/gifted-and-talented. If you have any enquiries please contact schoolsandcolleges@manchester.ac.uk tel: 0161 306 6506



The University of Manchester

The University of Manchester is pleased to present its 2011/12 programme of events for gifted and talented young people. At the University of Manchester we look forward to working with able learners to help enrich their experience of learning outside the school classroom and to meet real undergraduates and university staff.

The University of Manchester is one of the UK and the world's top universities for research, and one of the UK's most popular University for undergraduate applications.

As part of the University of Manchester's ambitious plan for the future, 'Manchester 2015', the University is committed to the goal of becoming the UK's most accessible research institution. This means that we want to encourage and recruit the most able students to Manchester, irrespective of their backgrounds or circumstances.

Our priorities in offering this programme

are to:

- Offer challenging thinking
- Provide opportunities to interact with university students
- Create the opportunity to meet and work with experts

Please see inside for further details of how to get involved.



'Why Study...?'

'Why Study...?' Presentations with Optional Workshops

The University of Manchester wishes to provide up-to-date Information, Advice and Guidance (IAG) to talented young people so that they are able to make information decisions about their future.

We have developed a suite of presentations to be delivered in schools, which aim to raise awareness of, and aspiration to, some of the most competitive and demanding subject areas.

The five subject areas chosen provide an introduction to learners in subjects they may not have encountered yet but are interested in pursuing post-16.

There are five subjects on offer:

- **Engineering**
- **Environmental Sciences**
- **Healthcare**
- **Law**
- **Social Sciences**

'Why Study...?' Presentations

The presentations are flexible and may last from 30 to 45 minutes.

All of the talks will:

1. Provide information on popular disciplines available at university, which are not taught, or are less-widely taught, in the 14-19 curriculum,
2. Demonstrate some of the skills developed by studying a degree in this subject area,
3. Explore some of the careers that graduates from these subject areas could progress onto,
4. Inform learners of any specific progression information if appropriate (e.g. any preferred or mandatory GCSE or A Level subjects),
5. Raise awareness of additional opportunities available through degree programmes in this subject area (e.g. study abroad or industry placement opportunities).

Workshops

An interactive, subject-specific workshop may be added, as an optional extra, should the school timetable allow. The workshops have been designed by post-doctoral researchers and post-graduate students of 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. These may last 60-75 minutes, depending on the time available.

Booking

To request a Why Study presentation please use the online booking form from the following link:

www.manchester.ac.uk/undergraduate/schools/andcolleges/secondary/gifted-and-talented/

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