

KS2

Tuesday 28th March PRIMARY SCIENCE DAY

A carousel of workshops for Key Stage 2 pupils. Please indicate your choice of programme A or B on the booking form!

A: Snakes, Slugs and Spiders

Helen Billington

Marble Mazes

Tamasin Greenough Graham
(in association with the Institute of Physics)

OR

B: DNA Dimensions

Jane Staveley

Panning for Gold

Rob Chapman

Sessions: 10:15-12:15 or 13:15-15:00

30 pupils per school
University of Leeds

Thursday 30th March HEALTH MATTERS

Who can blow the fastest? Is your heart electric? How healthy are you? Who are you? All these questions will be answered during these interactive workshops.

Sessions: 9:30-12:00 or 12:30-15:00

30 pupils per school
Leeds Metropolitan University

OR

B: Leeds Rocks

Phil Murphy

Slime Time

Mike Ries

Sessions: 9:30-12:00 or 12:30-15:00

30 pupils per school
University of Leeds

Thursday 30th March G+T SCIENCE DAY

Two workshops and a demonstration-packed lecture for gifted and talented Key Stage 3 pupils. Please indicate your choice of programme A or B on the booking form!

A: Phenomenal Physics

Mike Hoyland

WITH

Heart of the Matter

Charlotte Haigh

Fizzical Chemistry

Terry Kee

OR

B: Sweet Science

Mark Robinson

Marvellous Maths

Alan Slomson

Sessions: 9:30-12:00 or 12:30-15:00

30 pupils per school
University of Leeds

KS3

Monday 27th March SCIENCE DAY

Two workshops and a demonstration-packed lecture for Key Stage 3 pupils. Please indicate your choice of programme A or B on the booking form!

Relatively speaking - a look at Einstein

Bob Cywinski and Stella Bradbury

WITH

A: Muddy Boots

Katy Roucoux

Rockets Away!

Paul Harrison

KS4

Monday 27th March SCIENCE DAY

Two workshops and a demonstration-packed lecture for Key Stage 4 pupils.

Relatively Speaking - a look at Einstein

Bob Cywinski and Stella Bradbury

WITH

Energy Know How

Linda Bonnett

What's in your head?

Keren Bielby-Clarke

Sessions: 9:30-12:00 or 12:30-15:00

30 pupils per school
University of Leeds

HOW TO BE A ROCKET SCIENTIST

Work in teams to produce water-fuelled rockets and launch them to great heights. Which rocket will be propelled furthest?

Johannes Knapp

Sessions: 9.30 - 11.30 or 12.30 - 14.30

15 pupils
University of Leeds

Tuesday 28th March DELIGHTS OF CHEMISTRY

The famous demonstration lecture full of flashes and bangs that will make you take a second look at chemical reactions.

Mike Hoyland

Sessions: 13:30-14:30

University of Leeds

Wednesday 29th March SCIENCE WORKSHOPS

A variety of fun and interactive workshops.

Sessions: 9.30 - 11.30 or 12.30 - 14.30

University of Leeds

Be a Forensic Scientist

A hands-on laboratory experience using analytical approaches to explore biological molecules.

Mitch Fry

30 pupils



Psychology but not as you know it

What happens when memory fails?.. The Electric brain... come along, take part and explore Psychology.

Anna Madill and Amanda Harrison

15 pupils

Earthquakes in Britain

Earthquakes are one of the most dangerous and spectacular of natural hazards. Explore the earthquake monitoring network and help us find the location of an earthquake.

Adrian Jones

15 pupils

Music via Motion

Become a musician in a second! Find out how interactive multimedia technology can make music without instruments.

Kia Ng

15 pupils

Defying Gravity & Sense?

Fancy climbing the highest mountain or descending the deepest cave in the world? What would you need to know to keep you safe and sound? This workshop will involve physiology, psychology - and some effort from you.

Will Patterson

15 pupils

What you see is what you get - or is it?

Explore the chemistry that affects how we perceive images and objects around us.

Mark Heron and Melissa Davies

30 pupils

Thursday 30th March MATERIALS WHODUNIT

Work as part of a forensics team and find out how engineering skills can help find the culprit.

Diane Cochrane

30 pupils

Sessions: 9.30 - 11.30 or 12.30 - 14.30

University of Leeds

Friday 31st March WHY MAKE A GM POTATO ?

Make the perfect potato! Discover how the genes of a potato can be modified to protect the plant from pests without the need for harmful chemicals.

Peter Urwin

30 pupils

Sessions: 10:00 - 15:00

University of Leeds

KS5

Monday 27th March TWILIGHT DEBATE

Should we test for genetic diseases? How would you use the results? An opportunity to engage in a series of topical debates around the subjects of genetics, ethics and health.

Pauline Fitzgerald

Sessions: 16:00-18:00

Leeds Metropolitan University

Wednesday 29th March LIFE IS A HEADACHE: CHEMISTRY AND DRUGS

A hands-on chemistry laboratory workshop using analytical techniques to identify commonly used medicines.

Patrick McGowan

Sessions: 14:00-16:00

30 pupils

University of Leeds

ARE WE LOSING THE BATTLE AGAINST HIV?

Explore the nature of HIV and discover how science is helping the fight to control the disease.



national
science week



Leeds Festival of Science 2006

27th - 31st March 2006



Dick Killington

Sessions: 13:30-14:30

30 pupils

University of Leeds

Friday 31st March FIBONACCI AND HIS RABBITS

Explore a remarkable set of numbers and see how the series appears in nature and art. You will need to bring calculators to help solve a well-known optical illusion.

Tom Roper

Sessions: 10:00-12:00

University of Leeds

ATMOSPHERIC CHEMISTRY

Visit the Mobile Air Quality Laboratory and find out what atmospheric chemists get up to!

Paul Seakins

Sessions: 10:00 - 12:00

15 pupils

University of Leeds

ETHICS OF SCIENCE

Is Science ethical? Should we set bounds on scientists and can the public really make informed decisions about what scientists do? An opportunity to discuss some hot topics in science.

Professor Tom McLeish

Sessions: 10:00 -12:00

30 pupils

University of Leeds

BOOKING

All events are free to schools. However, charges may be made for non-attendance. To book places for any of the events listed, please complete the enclosed booking form and send or fax it to:

NSW 2006
Elmete PDC
Elmete Lane
Leeds
LS8 2LJ

Fax: 0113 214 4089

For more information please contact
Gill Ponsford on 07891 270330
or visit our website
www.maps.leeds.ac.uk/schools

Photographs taken during these events may be used in future publicity. It is the responsibility of the school to inform the Universities of any pupil who does not have parental consent to be photographed. Some physical activities will require parental consent - the necessary forms will be sent to participating schools.