

Maths Inspiration

at Greenwich Theatre

Thursday 16th November

Marcus du Sautoy, Helen Joyce,
Paul Shepherd and Rob Eastaway

...reveal that Mathematics does
have a life beyond A Levels

9.45am – 12.30pm OR 1pm – 3.45pm

£6 per head (1 adult free per 10 students)

Places are limited, so book early!

Sponsored by

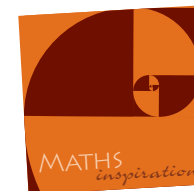


What the teachers said last year:

"Great to see maths out of
exam context."

"All the talks were informative
and entertaining."

"This has had more motivational
impact on my students than
anything I've seen in 30 years
of teaching."



FRONT COVER

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Chaired by **Helen Joyce**, of *The Economist*

Marcus du Sautoy: *Music of the Primes*

Prime numbers are fundamental to mathematics, yet they are also one of its most tantalising enigmas. In 1859, the German mathematician Bernhard Riemann put forward a hypothesis that seemed to reveal a magical harmony in the primes. A million dollars now awaits the person who can unravel the mystery. In this highly acclaimed talk, Marcus du Sautoy will examine the world of primes, covering everything from cicadas to David Beckham's shirt.

Paul Shepherd: *The Maths of Sports Stadiums*

The Millennium Dome and Arsenal's breathtaking new Emirates Stadium are two of the country's most talked about structures. But did you know that maths has been critical to both? Mathematician and engineer Paul Shepherd will explain how mathematics helps with roof design, spectators' views, and even making the grass grow better. If you think geometry has no relevance to the real world, think again.

Rob Eastaway: *From Peace Deals to Penalties*

A famous Coca Cola advertisement used the line "I'd like to teach the world to sing in perfect harmony". Yet Coca Cola and Pepsi have been competing viciously with each other for decades. Collaboration and competition are everywhere around us, and mathematics and game theory can tell us a lot about why peace and harmony are not quite as easy to achieve as the songs might suggest.

There will be plenty of audience interaction, including a dynamic Question & Answer session at the end.

Who's who?

Helen Joyce is the Education correspondent for *The Economist*. She was previously the editor of *Significance*, the magazine of the Royal Statistical Society, and also *Plus*, the website magazine of the Millennium Maths Project. She grew up in Dublin and trained as a dancer, before pursuing a maths degree.

Marcus du Sautoy is a Professor of Mathematics at Oxford University. In 2004, *Esquire Magazine* chose him as one of the 100 most influential people under 40 in Britain. A familiar figure on TV and radio, he will be giving the Royal Institution Christmas Lectures in 2006, to be broadcast on Channel Five.

Paul Shepherd is a Senior Analyst with the engineering company Buro Happold, which specialises in the design of sports stadiums and other landmark structures. He has worked on projects led by some of the world's leading architects, including Norman Foster and Richard Rogers. His design software has won several awards.

Rob Eastaway is an independent lecturer and author whose books on everyday maths include *Why do Buses Come in Threes?* and *How to Take a Penalty*. For several years he set puzzles for *New Scientist* and *The Sunday Times*, and he is often to be heard on radio talking about the maths of everyday life.



Booking form: Greenwich

Please complete and return this form to:

Maths Inspiration, 18 Colwell Road, London SE22 8QP

I would like:

Seats for the AM session (9.45 – 12.30)

Seats for the PM session (13.00-15.45)

No. of Student Seats: x £6 = £ (A)

No. of Free Adult Seats:
(1 adult seat free for every 10 pupils)

No. of Paying Adult Seats: x £6 = £ (B)
(eg 25 pupils with 4 adults means 2 paying adults)

I enclose a cheque made payable to

'Maths Inspiration' for £ (A + B)

Name:

School:

School Address:

Telephone Number:

Email Address:

www.mathsinspiration.com

BOOKING

You can provisionally book seats by telephoning **Elaine Standish** on **020 8693 9259**, or by e-mailing **info@mathsinspiration.com**, with your name, address and the number of seats you would like. We only accept bookings from schools or colleges. There is an upper limit of 30 seats per school for provisional bookings.

To confirm your booking you will need to send your cheque to us with the booking form (overleaf) within three weeks of your provisional booking.

TRANSPORT & PARKING

For details see:

www.greenwichtheatre.org.uk/directions.html

The venue is a short walk from Greenwich Station.

KPMG, one of the UK's leading business advisors, are proud to sponsor Maths Inspiration

