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# Maths Inspiration

For Sixth formers and Year 11s



**At The Playhouse,  
Nottingham  
25 March 2010**

**“Of all the maths events  
we've attended, Maths  
Inspiration is the one we  
know will genuinely inspire.”**

*Teacher, Southampton*

# Maths Inspiration

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## Paul Shepherd: *How To Build an Olympic Stadium*

In three years time, London will host the 2012 Olympic Games – but first somebody has to build the 34 venues. Maths is playing a critical part in the design and construction of these stunning venues. Paul Shepherd, who has helped to design sports stadiums around the world, shares the secrets behind the building of the Olympic Park and explores the practical ways that mathematics is being used to create this spectacular event.

## Rob Eastaway: *When Maths Meets Psychology*

TV shows like *Cracker* and *Derren Brown's Tricks of the Mind* have made psychology a more popular subject than ever before. But when maths meets psychology the combination can be fascinating. Bestselling maths author Rob Eastaway will talk about human intuition, how it can sometimes lead you astray, and how maths can help you to think critically and behave more rationally. On the way you'll encounter TV gameshows and some telepathy that is worthy of Derren Brown himself.

## Mark Lewney: *The Maths of the Rock Guitar*

Rock guitarist and rising media star Mark Lewney explains the maths of rock using riffs from Vivaldi to AC/DC and shows how string vibrations might lie at the heart of the Big Questions about the universe. In this mind-expanding lecture, Dr Lewney explains mathematical vibrations with the help of props as diverse as a bullwhip and his electric guitar. This introduction to Superstring Theory shares the excitement of grand-scale, cutting-edge maths.

**Chaired by Helen Pilcher**, scientist and stand-up comedian.

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



Find out more at: [www.mathsinspiration.com](http://www.mathsinspiration.com)

**Maths Inspiration shows include three interactive talks from some of the country's most engaging maths speakers, on topics that will appeal to your Year 11s and Sixth Formers. This is followed by a lively Q&A session in which students get to ask the panellists anything they want. There is a short interval.**

**At the Nottingham Playhouse,  
25 March 2010**

**There will be morning and afternoon shows  
(9.45am-12.30pm and 1pm-3.45pm).**

**You can find details of other events or  
the talks and the speakers for this event  
on our website.**

**[www.mathsinspiration.com](http://www.mathsinspiration.com)**

Booking form: **NOTTINGHAM**

Please complete and return this form to:  
**Maths Inspiration, 18 Colwell Road,  
London SE22 8QP**

Including Teachers +  
Students I would like:  Seats

Morning  Afternoon  (tick box)

No. of Student Seats:

x £6 (inc VAT) = £  (A)

No. of Free Adult Seats:

(1 adult seat free for every 10 pupils)

No. of Paying Adult Seats:

x £6 (inc VAT) = £  (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: .....

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School Address: .....

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Tel No: .....

Email: .....



## BOOKING

You can provisionally book seats by e-mailing [mail@mathsinspiration.com](mailto:mail@mathsinspiration.com) or by telephoning **Elaine Standish** on **020 8693 9259** with your name, address, the event, and the number of seats you would like. We only accept bookings from schools or colleges.

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

There is no parking at the venue, but coaches can drop off. The theatre is about ten minutes from the station. Details can be found at [www.nottinghamplayhouse.co.uk](http://www.nottinghamplayhouse.co.uk)



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