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Maths Inspiration

For Sixth formers and Year 11s

At the Nuffield Theatre, Southampton

Thursday 15th March 2007

Helen Pilcher, Chris Budd,
David Acheson and Rob Eastaway

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

1pm - 3.45pm

£4 per head (1 adult free per 10 students)

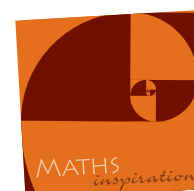
Places are limited, so book early!

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."



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, the event (Southampton) and the number of seats you would like. We only accept bookings from schools or colleges. There is an upper limit of 66 seats per school (including teachers) for provisional bookings.

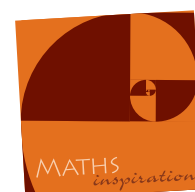
To confirm your booking you will need to send your cheque to us with the booking form (overleaf) within three weeks of your provisional booking.

TRANSPORT & PARKING

The Nuffield Theatre is on the site of Southampton University. There are good bus connections by Uni-bus from Southampton station, the bus takes about 15 minutes. There is pay and display parking for minibuses, but coaches may need to park elsewhere. You'll find directions at:

www.nuffieldtheatre.co.uk

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sponsor Maths Inspiration



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Chaired by **Helen Pilcher**

Chris Budd: *The Maths of Crime*

Maths is playing an increasingly important role in crime scene investigations – and not just in the hit TV series NUMB3RS. Mathematical techniques help forensic scientists work out a range of problems, including the trajectories of bullets, fingerprint and face recognition and the speed of moving vehicles. Chris Budd will show how maths has been used in investigating everything from catching a speeding motorist to what or who killed Tutankhamen.

David Acheson:

Catastrophe, Chocolate and The Electric Guitar

Why might a simple piece of curtain wire have grave implications for global warming? When can chocolate be used to prove a theorem? And how can maths help with playing the guitar? David Acheson looks at some surprising applications of mathematics, with the help of practical demonstrations and computer experiments.

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.

Who's who?

Helen Pilcher is the only Lithuanian, Elvis-obsessed scientist / journalist / comedian in the world. She writes for the science magazine *Nature*, and is also one half of the *Comedy Research Project*, a stand up comedy duo who spent long hours deriving the mathematical formula for the perfect joke – and so has no excuse not to be funny.

Chris Budd is Professor of Applied Maths at the University of Bath, and a passionate populariser of mathematics. He is chair of maths at the Royal Institution and has given lectures to all ages across the country. He wrote *Mathematics Galore!* with Chris Sangwin.

David Acheson is a Fellow of Jesus College Oxford, and the author of the highly acclaimed book *1089 and All That*. In 1992 he discovered a strange gravity-defying upside-down-pendulum theorem, a possible explanation of the classic Indian Rope Trick, which he demonstrated live on BBC's *Tomorrow's World*. In his spare time, David is a keen guitarist.

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. He has also written books on memory, creativity and cricket.

Booking form: Southampton

Please complete and return this form to:

Maths Inspiration, 18 Colwell Road, London SE22 8QP

I would like: Seats (Pupils + Teachers)

No. of Student Seats: x £4 = £ (A)

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

No. of Paying Adult Seats: x £4 = £ (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:

