

# maths INSPIRATION

For Sixth Formers and Year Elevens



Thank you for making maths  
as fun as it is in my head.

Ratton School

Tickets  
only **£9**  
Teachers  
**FREE**

STATISTICS	✓
MODELLING	✓
PROBLEM-SOLVING	✓
HUMOUR	✓

Leeds  
**Leeds Town Hall**  
14 March 2019



@mathsinspiratn



youtube.com/MathsInspiration

www

mathsinspiration.com

Spring Shows Programme 2019

maths  
INSPIRATION

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FOR SIXTH FORMERS AND YEAR ELEVENS

## Leeds Town Hall

14 March 2019

10am–12:30pm and 1:15pm–3:45pm

**Tickets £9** (inc VAT) – teachers **FREE**.

The Headrow, Leeds LS1 3AD

Maths Inspiration is a national programme of interactive maths lecture shows for teenagers. We give 14–17 year olds a chance to experience the UK's most inspiring maths speakers live in theatres, presenting mathematics in the context of exciting, real-world applications.

All shows have three interactive talks, an interval and a lively Q & A session at the end. The shows make links to National Curriculum content, and feature mathematicians, engineers and statisticians. They are an ideal STEM outing for your school, that can also open your students' eyes to mathematical careers.

## WHO SHOULD I BRING TO THE SHOW?

This show is suitable for all **Year 12s/FE** students who are studying maths, including Core Maths, and for **Year 11s** who have the potential to get Grade 6 or higher at GCSE. Year 13s will also enjoy the content, though they are not the target audience.

## BOOKING

To provisionally book seats visit our website, at [www.mathsinspiration.com/booking](http://www.mathsinspiration.com/booking). You are provisionally booked once we email you back, at which time we will give you the deadline for when you'll need to confirm your numbers and make your payment. We encourage you to pay by BACS, though we also accept cheque payments.

For full terms and conditions and more details on our events and speakers as well as tips for teachers, please visit our website.

Our contact details are:

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

## SOME PREVIOUS COMMENTS FROM TEACHERS

"Fabulous – it was enjoyed by all our students and by the teachers."

"It was brilliant. The maths was very relevant and pitched perfectly."

"Thoroughly enjoyable – loved the variety of topics and the intro music!"

"Loved it!!"

"The interactive element kept students very engaged!"



Host: **Jennifer Rogers**  
***Fighting Back With Statistics***



Structural Engineer and  
Rollercoaster Designer  
**John Roberts: *The Hidden Maths of Rollercoasters***

Rollercoasters are designed for fun, but the maths behind them is deadly serious. In this talk, internationally renowned rollercoaster engineer John Roberts looks at the history of rollercoasters and the engineering calculations that have gone into designing some of the world's leading rides. In short, it's all about maximising the thrill while minimising the nosebleeds.



Science Presenter and  
Comedian **Steve Mould:**  
***My Weird Mathematical Obsessions***

Steve Mould can get a bit obsessed sometimes – especially with weird maths. Join him on his descent into madness as he recounts the adventures that began with just curiosities like unusual bike wheels and infinite coastlines, and ended with him hanging from a 50 metre crane on live TV.



Bestselling Maths Author  
**Rob Eastaway: *Puzzling Surprises***

As humans we depend on our intuition to make many of our decisions. And most of the time it works. But when intuition doesn't work it can go spectacularly wrong. Rob Eastaway reveals some of his favourite puzzles, including several that relate to everyday situations, and explains why mathematicians so often seem to delight in the counter-intuitive. Brace yourself for some surprises . . . and be prepared to get things wrong!