

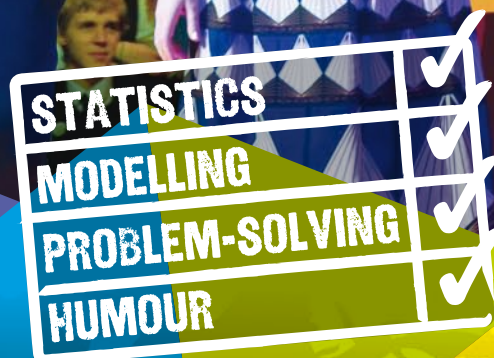
maths INSPIRATION

For Sixth Formers and Year Elevens



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

Ratton School



Newcastle
The Northern Stage
30 January 2018

In partnership with



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youtube.com/MathsInspiration

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Spring Shows Programme 2018

maths
INSPIRATION

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FOR SIXTH FORMERS AND YEAR ELEVENS

The Northern Stage, Newcastle

30 January 2018

10am–12:30pm and 1:15–3:45pm

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

The theatre is a two minute walk from Haymarket Metro Station.

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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 physicists. They are an ideal STEM outing for your school, that can also open your students' eyes to mathematical careers.

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WHO SHOULD I BRING TO THE SHOWS?

These shows are 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

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BOOKING

To provisionally book seats visit our website, at 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:

sarah@mathsinspiration.com | 01483 527712

www.mathsinspiration.com

WHAT TEACHERS SAID LAST YEAR . . .

"Fabulous – it was enjoyed by all our students and by the teachers." **SACRED HEART HAMMERSMITH**

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

"Thoroughly enjoyable – loved the variety of topics and the intro music!" **DURHAM JOHNSTON SCHOOL**

"Loved it!!" **DUKE OF KENT SCHOOL**

"The interactive element kept students very engaged!" **CHOBHAM ACADEMY**



Host:
Science writer and comedian
Helen Pilcher



Crowd Analyst
Aoife Hunt:
The Shape of Escape

How many people can you fit into a football stadium or a music festival? How quickly are they all going to be able to get out? These are important questions for event organisers, and mathematicians can help to answer them. Discover the unlikely connection between crowd flow and quadratic equations, and how computer games are being built to predict what you will do in an emergency.



Bestselling Maths Author
Rob Eastaway:
Hey, That's Not Fair!

Everyone – even a chimpanzee – has a sense of whether something is fair or not. But making things fair is another matter altogether. That's where mathematicians can help. From sharing cakes to penalty shootouts, Rob Eastaway explains the maths behind how to keep envious tantrums to a minimum.



Mathematician and Juggler
Colin Wright: ***Patterns, Predictions and Juggling***

What comes next in this sequence: 1 2 4 8 16 . . . ? A fair guess would be 32, because there's a pattern here. In this highly entertaining talk, Colin Wright shows how spotting patterns can help in a surprising number of situations, including the invention of new juggling tricks. But beware, patterns aren't always as predictable as they seem.