

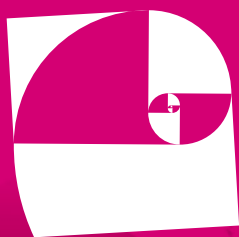
# maths INSPIRATION

For Sixth Formers and Year Elevens



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

Ratton School



Bath  
**Bath Forum**  
12 March 2018

STATISTICS	✓
MODELLING	✓
PROBLEM-SOLVING	✓
HUMOUR	✓



@mathsinspiratn



youtube.com/MathsInspiration

www

mathsinspiration.com

Spring Shows Programme 2018

maths  
INSPIRATION

# maths INSPIRATION

FOR SIXTH FORMERS AND YEAR ELEVEN

## Bath Forum

12 March 2018

1pm–3:30pm

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

The theatre is a two minute walk from Bath Spa station.

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)

## 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**



BBC TV Presenter  
and Complexity Theorist  
**Hannah Fry: *The Hidden Connections***

Despite our illusion of free will, we often find ourselves swept along by the actions of those around us in a gigantic human herd. The hidden connections between us cause everything from the movement of crowds to memes. Hannah takes you on a whistle stop tour of the patterns that make us surprisingly predictable.



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 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.



Bestselling Maths Author  
**Rob Eastaway: *Pepsi, Penalties and Peace Deals***

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 for decades. Collaboration and competition are everywhere around us. Mathematics and game theory can tell us a lot about why peace, harmony and love are not quite as easy to achieve as the songs might suggest.