

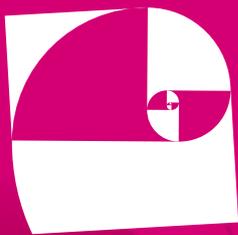
# maths INSPIRATION

For Sixth Formers and Year Elevens



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

Ratton School



Reading  
**Hexagon Theatre**  
27 February 2018

STATISTICS	✓
MODELLING	✓
PROBLEM-SOLVING	✓
HUMOUR	✓



@mathsinspiratn

YouTube

youtube.com/MathsInspiration

www

mathsinspiration.com

Spring Shows Programme 2018

maths  
INSPIRATION

# maths INSPIRATION

FOR SIXTH FORMERS AND YEAR ELEVENS

## Hexagon Theatre, Reading

27 February 2018

10am–12:30pm

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

There is a coach drop off at the lower level of the theatre.  
The theatre is a 5-10 minute walk from Reading 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:

[sarah@mathsinspiration.com](mailto:sarah@mathsinspiration.com) | 01483 527712

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

## WHAT TEACHERS SAID LAST YEAR . . .

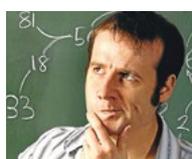
"Fabulous – it was enjoyed by all our students and by the teachers." **SACRED HEART HAMMERSMITH**

"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:  
Stand-up Mathematician  
**Matt Parker**



BBC TV Presenter  
and Complexity Theorist  
**Hannah Fry: *A Random Talk***

Who wants to win a prize? Everyone?! Ok. Then we'll need to make sure we find our winner fairly. But how can we choose a winning number that's genuinely random? In this talk Hannah tries a variety of different ways to make a random number - including crowd sourcing, coin flipping and ball dropping and shows that being truly random is much harder than you might think. Along the way she reveals hidden mathematical patterns behind everyday randomness until, finally, she will crown a winner.



Oxford Mathematician  
**David Acheson: *Pi, Pizza and the Electric Guitar***

It is sometimes said that maths is all around us. But is this really true? David Acheson certainly thinks so, and has been searching his own house for examples of mathematics at its best and most surprising. So far he's found infinite series in the living room, pi in the kitchen, catastrophe theory in the bathroom, and circle geometry in the garage, to say nothing of his recording studio . . .



Channel 4 Engineer  
**Hugh Hunt: *Maths in a Spin***

Spinning things are strange. A spinning ball bounces in curious ways. Why does a spinning top stand up? Why doesn't a rolling wheel fall over? In this lively talk, Hugh Hunt will demonstrate the mechanics of lots of spinning things, including gyroscopes. He'll even throw a few boomerangs, if the management will let him.