

# 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  
**£12**  
Teachers and  
PGCE students  
**FREE**

STATISTICS	✓
MECHANICS	✓
PROBLEM-SOLVING	✓
HUMOUR	✓

Reading  
**Hexagon Theatre**  
10 March 2020



@mathsinspiratn

 YouTube

youtube.com/MathsInspiration

www

mathsinspiration.com

BANK OF AMERICA



# Inspire your sixth formers with this interactive maths lecture show

## Reading Hexagon Theatre

10 March 2020, 10am–12:40pm.

Tickets £12 (inc VAT) – teachers FREE.

Queens Walk, Reading RG1 7UA

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 aimed at all Year 12s and FE students who are studying maths, including Core Maths, and at 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.

## What teachers say about our shows:

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



Medical Statistician  
**Jennifer Rogers:**  
***Yeah, But Is It Significant?***

You've just tossed a coin ten times and eight of them were heads. Queens Park Rangers win their first five games of the next Premiership season. In clinical trials for a new treatment for chronic headaches, 40% get better within 24 hours. But so what, sometimes these things happen just by chance, right? As a statistician, it is Jen's job to decide whether any differences she sees in data are likely to be just by chance, or whether they are 'statistically significant'. But how much evidence do you need before you can say that what you see is significant?



Architectural Engineer  
**Paul Shepherd:**  
***Simply the Best***

From the Sydney Opera House to the London Olympic Stadium . . . wherever you go the spectacular work of Architects dominates the landscape. But it's not enough for buildings to look good – they have to stay standing and be efficient to use too. In this talk mathematician and engineer Paul Shepherd shows how he has used everything from the geometry of chains to the maths of swarms to design structures that combine strength and beauty whilst minimising their carbon footprint. Maths doesn't get more practical than this!



Musician and Mathematician  
**Ben Sparks:**  
***Windmills of Your Mind***

Like a circle in a spiral, like a wheel within a wheel...so goes the classic 1960s song. Forget circle theorems (for a moment, anyway), and discover how circles can be a source of beauty, awe and mystery as Ben Sparks explores ways in which maths can be, literally, moving.

**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)