

NOV  
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2020

## GCSE Maths in Action

Our exceptional days of GCSE Maths in Action feature five interactive and informative sessions that will inspire KS4 students.

We will explore fascinating and occasionally unexpected applications which demonstrate that continuing to study maths is important. Each day is supplemented by an examination session which includes hints and tips on how to improve your grades.

- Practical Session
- The numbers of structures
- Guy Martin's wall of death and other spinning things
- Numbers in the News
- Patterns and predictions



Emmanuel Centre, London  
9 - 23 Marsham Street  
London, SW1P 3DW



£19.75 + VAT

Plus one COMPLIMENTARY staff ticket per 10 students. \*VAT may be reclaimable please check with your finance department

ttp is the leading provider of inspirational, informative, Education in Action study days for A-level, IB, BTEC and GCSE students.

Award-winning, world-class speakers  
Cutting-edge content  
Thought-provoking demos and presentations  
Examination hints, tips and guidance  
Modestly priced to offer access to all  
Complimentary staff ticket for every 10 students booked  
**Bookings can be amended up to 28 days before the event day**



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### Practical Session / Alex Bellos



Alex Bellos returns with a new session jam-packed with puzzles, demonstrations and mathematical conundrums. You will need a pen and paper for Alex's presentation.

Alex writes the infamous Monday maths puzzle for *The Guardian*. He is also the author of the popular maths bestsellers *Alex's Adventures in Numberland* and *Alex Through the Looking-Glass*.



### Numbers in the News / Zoe Griffiths



In a world of fake news it's important to be able to think critically about what we are told in the media. This thought provoking talk featuring audience games and experiments takes students on a tour of misleading statistics.

Zoe travels the UK and internationally giving mathematics talks and workshops in schools, at science festivals, teacher conferences and at comedy nights.



### The numbers of structures / Roma Agrawal



Ever wondered how the bridges, buildings and tunnels which surround us in the city were designed and built? Roma will show you how people, cars, nature and materials are turned into numbers to make sure our structures don't collapse.

Roma, an award winning broadcaster and structural engineer is described as "the new voice of women talking about science and engineering and making it cool" by *The Telegraph*.



### Patterns and predictions / Colin Wright



Maths is about patterns - finding them, proving that they're real, and then using them to make predictions. Colin will investigate some patterns - some real, some not real(!) - and see an application in an unexpected place.

Colin received his maths doctorate in 1990 from Cambridge University. While at Cambridge he also learned how to fire-breathe, unicycle, juggle and ballroom dance.



### Guy Martin's wall of death and other spinning things / Hugh Hunt



In a presentation full of exciting demonstrations Hugh will answer some fundamental questions including, why does a spinning top stand up? And how do cats always manage to land upright?

Dr Hugh Hunt is a Reader in Engineering Dynamics and Vibration at Cambridge University. He is a regular presenter on Channel 4 and has an impressive collection of boomerangs.



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