

APR  
26  
2021

## Maths in Action

For A-level and IB students

Give your KS5 students the opportunity to meet our crack team of mathematicians, engineers, statisticians, architects, code-breakers, data scientists and more for the ultimate educational experience. Maths in Action features five lively and enriching sessions exploring a variety of topics carefully designed to extend students' knowledge. A session on examination success will equip students with the tools to succeed.

- Fighting disease with mathematics
- Counting factors
- Practical session
- Dream Maths Team for University Challenge
- Bad stats: what they don't tell you on the news



Online



**Online: £12+VAT\***

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 45 days before the event day**



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in ACTION

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# Maths in ACTION

## Fighting disease with mathematics / Sara Jabbari University of Birmingham



Sara will describe the way mathematics can be used to understand antibiotic resistance, track the dynamics of bacterial infections and even develop new drugs to tackle disease.

Sara is a mathematician specialising in the modelling of networks of genes that respond to the inter-, intra- and extra-cellular signals that dictate cell behaviour.



## Dream Maths Team for University Challenge / Bobby Seagull Secondary Maths Teacher, Author & TV Presenter



Bobby Seagull rose to prominence as captain of Emmanuel College Cambridge. In this talk, he shares who would make his maths dream team for University Challenge. He will explain why these mathematicians deserve their place in history and on this team.

Bobby was an investment banking trader, chartered accountant, social entrepreneur and a semi-finalist captain on University Challenge. He is now a maths teacher, author of 'The Life-Changing Magic of Numbers' and appears on TV as the co-host of the BBC's Monkman & Seagull Genius Guides and as a quiz expert [...]

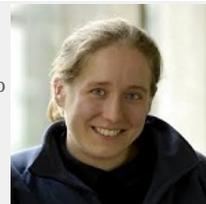


## Counting factors / Vicky Neale University of Oxford



In this interactive workshop, we'll explore some questions from the area of maths called number theory. Please have pen and paper ready!

Vicky is Whitehead Lecturer in the Mathematical Institute at Oxford University. Vicky spends her time doing maths, teaching maths and talking maths to anyone who will listen.



## Bad stats: what they don't tell you on the news / Michael Blastland author and broadcaster



Join Michael to learn the stats which will give you some of the best bad-news and bad-science spotting skills around.

Michael Blastland created the Radio 4 programme *More or Less*, wrote several books, presents *The Human Zoo* on Radio 4, and talks to people about numbers.



## Practical session / Alex Bellos Author and broadcaster



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*.



# The Training Partnership

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