GCSE Maths in ACTION

London

MAR
9
2027

GCSE Maths in Action

Welcome to our GCSE Maths in Action day!

Join us for the ultimate maths enrichment day designed for KS4 students. Through five high-energy, interactive sessions, students will unlock the magic of mathematics, deepen their understanding of key principles and discover just how exciting maths can be.

Our incredible speakers, from leading academics to industry experts, will showcase the real-world applications and value of maths, in ways that will captivate and inspire.

With live polls, quizzes, and audience participation, this isn't just a lecture – it's an experience! Plus, our Exam Success session will equip students with expert strategies to excel in their exams. *Join us at GCSE Maths in Action where maths comes to life!*

Host: Susan Okereke (Maths Teacher and Communicator)

Exam Session: Dr Jamie Frost (Dr Frost Maths)

- Lies, Damned Lies, and Statistics
- Palindrome Ages
- What happened on the Titanic?
- The Doodle Theorem
- What do they know? Epistemic logic in games

Emmanuel Centre, London,
London,
SW1P 3DW

Venue: £19.50 +VAT *

Plus one COMPLIMENTARY staff ticket per 10 students.

*VAT may be reclaimable. Please check with your finance department

Education in Action 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

MAR
9
2027

GCSE Maths in ACTION

Lies, Damned Lies, and Statistics /
Bobby Seagull MBE – Teacher, Author and Broadcaster

A fast-paced, interactive look at how data can deceive, misrepresent, and manipulate, equipping students with the critical maths skills to spot statistical tricks in media and advertising.

Bobby is a former investment banker, chartered accountant and social entrepreneur turned maths teacher, author & TV broadcaster. After going viral on BBC's University Challenge, he champions maths wherever he goes – from presenting BBC's Monkman & Seagull Genius Guides (discussed trigonometry on prime time) to addressing the House of Lords (state of maths education) and even appearing on Netflix dating show Indian Matchmaking (teaching his Year 8 maths class).

The Doodle Theorem /
Colin Wright – Mathematician and Juggler

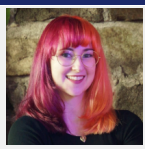
A well-known activity is to present a line diagram and challenge people to recreate it without lifting their pencil off the paper, and without retracing a line. In this workshop we start with this, and then find some deeper results and some surprising connections.

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.

Palindrome Ages /
Kat Phillips – Innovation Research Associate and Maths Communicator, University of Warwick

The year I turned 26, my mum turned 62 – a reversible pair! A fun coincidence or mathematics hiding in plain sight? I'll show you how to check your own age (and everyone else's) for a reversible pair too.

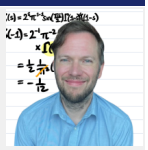
Kat is a mathematician at University of Warwick working with the Centre for Applications of Mathematics & Computer Science. When she's not doing research, you can find her promoting maths on twitch, and having conversations about STEM in everyday life.



What do they know? Epistemic logic in games /
Jamie Frost – Chief Mathematician at Dr Frost Learning

Ever wondered what other people know, and if what they know you know? You likely know we can use algebra to represent values like numbers and sets, but what about representing knowledge? In this talk, we look at the ingredients needed to represent beliefs and announcements, and how we can formally make deductions with games like Cluedo and with party hats! And perhaps a paradox or two thrown in for fun.

Jamie is the founder and Chief Mathematician at Dr Frost Learning, providing resources for mathematics teaching and an online homework setting platform. Catch him on TikTok for everything from 'What mathematically is the squarest country?' to Fibonacci numbers in running.



What happened on the Titanic? /
Merry Martyn – Clinical Trials Statistician, King's College London

Discover your inner detective while analysing the Titanic passenger dataset. Together we'll investigate the data, using proportions, ratios and decision trees to reveal new stories from the deep.

Merry has a Medical Statistics PhD and works at King's College London analysing clinical trials. Can antidepressants be used as a preventative measure? Can coaching reduce reoffending rates? She uses statistics to answer these questions every day.

Education in Action

Gilmoora House | 57-61 Mortimer Street | London W1W 8HS

020 3008 6441 | office@educationinaction.org.uk

www.educationinaction.org.uk