



NEWSTEAD WOOD SCHOOL

"creating opportunities for success"

8 November 2024

Dear Parent/Carer,

Maths In Action GCSE Trip - 23 January 2025

We are delighted to offer students the opportunity to join us on our upcoming Maths In Action GCSE trip to the Emmanuel Centre in London on Thursday 23 January 2025. This exciting event will showcase the diverse applications of mathematics across various professions.

Event Details

- Date: Thursday, 23 January 2025
- Venue: Emmanuel Centre, London
- Time: 10.45am – 3.15pm

The event will feature a panel of renowned speakers – please see below for the full list and details of the talks. For more information about the event, please visit <https://educationinaction.org.uk/study-day/gcse-maths-in-action-23-01-2025/>.

Travel Arrangements

- Departure: 9.10am sharp from the Maths Office
- Train: 9.38am from Orpington station to London Waterloo East
- Return: 3.54pm train from London, arriving at Orpington station by 4.22pm

Travel costs will be covered by the TFL 'Travel for Schools' scheme.

Students will need to bring a packed lunch and wear full school uniform. We advise students to bring a bottle of water with them as they will not be able to leave the theatre before the end of the show.

Places are limited and will be allocated on a first come first served basis.

If you agree to the details of the trip as outlined in this letter, please make a payment of £25.00 via WisePay by **Thursday 19 December 2024**. Please be aware that payment constitutes permission for this trip. Should you have any financial concerns with regards to payment please contact finance@newsteadwood.co.uk in confidence.

Headteacher: Mr Alan Blount, MA, BSc, QTS

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For the purpose of trip safety, emergency contact and medical information for students will be taken from the school database Please check and update school with any changes via the Arbor app or by email to Office@newsteadwood.co.uk.

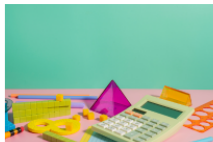
Yours sincerely,

A Neman

Dr A Neman
Head of Maths

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.

About Alex Bellos

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*.



Lies, damned lies, and newspapers

Emily Grossman, Broadcaster



Can we believe everything we read in the papers? In this highly interactive and amusing talk, Dr Emily Grossman takes a light-hearted look at the use and abuse of statistics in the media, illustrated with examples from her own experience as a TV science broadcaster.

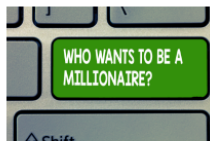
About Dr Emily Grossman

Emily is a bestselling science author, internationally acclaimed public speaker and TV personality. She is best known for explaining science stuff on her fun YouTube videos and on TV shows such as Sky1's *Duck Quacks Don't Echo* (hosted by Lee Mack).



The Maths of Luck

Alison Kiddle, Maths Communicator



It's very rare to be struck by lightning or win a multi-million pound lottery jackpot, and yet we see news stories every day about nearly impossible occurrences. Join Alison to explore how probability theory can help us understand the risks of everyday life, and find out whether knowing the probabilities helped Alison when they appeared on the TV quiz show *Who Wants to Be A Millionaire* last year!

About Alison Kiddle

Alison is a mathematician and educator from the East of England. As well as travelling round the UK and abroad to talk about maths, Alison designs puzzles, writes about maths, and creates mathematical art and craft.



The (little) Big Maths Gameshow

Kyle Evans, Maths communicator



The Big Maths Gameshow has toured the country throughout 2024 & 2025, bringing outrageous number facts and surprisingly subtle mathematics to audiences young and old. This special shortened version involves stacks of crowd participation to round off the day.

About Kyle Evans

Kyle D Evans is an award-winning maths communicator and author who has taken inclusive, entertaining shows about mathematics to all corners of the UK, from the Royal Institution to the Edinburgh Fringe. His published books include *'Maths Tricks to Blow Your Mind'* and *'A Year in Numbers'*.



Shapes and Smoke Rings

Zoe Griffiths, Maths communicator



In this engaging talk Zoe will take us on a tour of some of her favourite shapes and their curious properties. Touching on spherical geometry, topology and finishing with a display of smoke rings across the auditorium, this is shapes: but like you've never seen before.

About Zoe Griffiths

Zoe Griffiths is a mathematician who travels the UK and internationally giving talks and workshops in schools (through Think Maths), at science festivals and comedy nights. Zoe has talked about maths in places ranging from the Numberphile YouTube channel to BBC Radio 4. Before entering the world of maths communication, Zoe worked as a classroom maths teacher and is still a teacher at heart.

