KS3 STEM in ACTION

London

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2026

KS3 STEM in Action (morning)

In four incredible sessions we will bring the excitement of STEM subjects to audiences using real world applications and future directions. We know that getting the fundamentals right at KS3 is key to later success and we want students to be engaged and curious from an early age. Join us for a programme of inspiration, exploration and experimentation!

Host: Jamie Gallagher (Science communicator)

- Biomimicry – How Nature Inspires Engineering
- Periodic Success
- Shapes and Smoke Rings
- How AI won the Nobel Prize in Chemistry

Emmanuel Centre, London,
London,
SW1P 3DW

Venue: £12 +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

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Biomimicry – How Nature Inspires Engineering /
Phillip Burnett – Zoolab UK

Get up close and hands-on with real live animals as we explore Biomimicry and where these living things are inspiring Scientists and Engineers to make new materials, machines and ways of doing things to help us humans.

Phil is the Corporate Manager at Zoolab UK – the UK's No.1 Ethical Animal Encounters Company. They use animals as a tool to 'Amaze, Educate and Inspire'.

Shapes and Smoke Rings /
Zoe Griffiths – Maths communicator

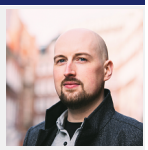
From spherical surfaces to doughnut-shaped twists, Zoe Griffiths will uncover the surprising and mind-bending shapes hiding in geometry. And to top it off, watch as swirling smoke rings fly across the room in a live display that brings maths to life!

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.

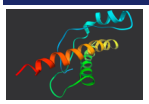
Periodic Success /
Jamie Gallagher – Science Presenter

The periodic table has been an emblem of science for over 100 years. Behind this iconic classroom poster live tales of romance, murder, greed and wonder. Which element will make you reek of garlic? Why do we love gold? And what is the disgusting secret of antimony? Join material scientist Dr Jamie Gallagher on a guided tour around this elemental housing block.

An award-winning scientist and science communicator, Jamie spends his days sharing his love of science. His work has taken him to stages around the world as well as TV and radio. Jamie has a PhD in materials science.

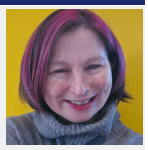


How AI won the Nobel Prize in Chemistry /
Rivka Isaacson – Professor of Molecular Biophysics, King's College London



Google DeepMind won the Nobel prize for AlphaFold, a breakthrough in protein structure prediction using AI. I will discuss why protein shapes are so important, how experimentalists like me have solved them, and my experience of being an AlphaFold beta tester.

Rivka Isaacson is a biophysicist investigating the miniature molecular machinery operating inside each of our thirty trillion crowded cells. She is a passionate communicator (radio, television, and print) and is involved in many creative projects bridging arts-sciences interfaces.



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