

JAN  
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2025

## GCSE Science in Action

Welcome to GCSE Science in Action!

Join us for the ultimate science enrichment day for KS4 students! Through five interactive and highly engaging sessions your students will deepen their understanding of key scientific principles and discover the wonder of science.

Our talented speakers from academia and industry will wow audiences with incredible insights into their work and inspire students to become the scientists of the future. A special session on examination success will ensure students are equipped with the tools they need to excel in their GCSE Science exams.

There will be plenty of interactivity and audience participation throughout the day, with polls, quizzes and (of course) your chance to question the scientists - join us at GCSE Science in Action and prepare to be amazed.

- [The Science of TikTok](#)
- [Adventures in a sphere](#)
- [Drawn to Discovery](#)
- [How to Freeze a Human](#)
- [Talk TBC](#)



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**

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### The Science of TikTok /

Jamie Gallagher - Science Presenter



Dive into the world of scientific TikTok as we put viral videos to the test. Test your science knowledge as we recreate some of social media's best loved science videos as you are challenged to separate science-fact from science-fake.

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.



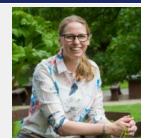
### Adventures in a sphere /

Caroline Shenton-Taylor - Applied Nuclear Physicist, University of Surrey



From floating high above the Earth's surface, to reaching the ocean floor, Auguste Piccard was a scientist who thrived on innovation and adventure. He engineered specially designed spheres, allowing him to venture into extreme environments. These journeys were risky and exciting, but his expeditions provided new scientific perspectives. In this talk, discover Piccard's story and Caroline's own adventure in building a space balloon. (Image credit: NASA)

Caroline is an applied nuclear physicist, sitting at the interface between industry and academia. Her team specialise in neural networks, artificial intelligence and novel methods, addressing challenges in nuclear security, nuclear decommissioning and medicine. Winner of UK Famelab 2014, she regularly speaks at festivals, on radio and YouTube (Dr CST).



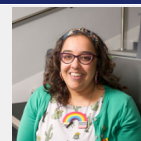
### Drawn to Discovery /

Hana Ayoob - Science Communicator & Illustrator



Drawing is an important part of scientific discovery allowing us to document discoveries, encouraging us to observe closely and providing a way to visualise the invisible. Find out more and try some drawing yourself.

Hana Ayoob is a science communicator and illustrator, with a background in zoology. She's passionate about bringing people together to explore the world around them through art and science.



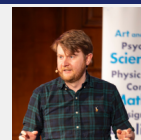
### How to Freeze a Human /

Alex Baker - University of Warwick



In every cell in every tissue and every organ of your body, millions and millions of reactions are being carried out to keep you alive. The key ingredient in all these reactions is heat, so what happens if we drop the temperature? Could we cryogenically preserve organs and blood? Alex will explore the science and cutting-edge research behind cryogenics and consider how to freeze a human.

Alex is an organic chemist with a particular interest in carbohydrates, polymers and nanoparticles. His work is used to design medical diagnostics with a particular focus on the developing world and fighting health inequalities.



### Talk TBC /

Alex Lathbridge - Biochemist, Presenter, and Science Journalist



Dr Alex Lathbridge is a biochemist turned science journalist. He spends most of his time talking science on radio and podcasts for the BBC (and anyone else that'll have him). For his PhD, he mixed biochemistry and computer science to create anti-cancer peptides.



## Education in Action

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