

# KS3 STEM in ACTION

Manchester

JUN  
24  
2022

## KS3 STEM in Action

In three 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!

- [Dangerous Equations](#)
- [How to Freeze a Human](#)
- [Caught on camera: wildlife in the spotlight](#)



University of Salford,  
Salford,  
M5 4WT



**Venue: £10 +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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### Dangerous Equations / Marty Jopson - Science presenter



Join Marty Jopson as he places himself in grave personal danger for your entertainment. Will his steely nerve and a set of equations be enough to keep him from harm?

Marty has a PhD in plant biology, is a science TV presenter, live show performer, writer, strange prop builder and all round Science Bloke.



### Caught on camera: wildlife in the spotlight / Emily Madsen - Conservation Biologist



How do we count wildlife? If we want to know how a species is adapting to our changing world then one of the first things we need to know is how many there are. Learn about the key tools and techniques conservation biologists use to study wildlife of all shapes and sizes.

Often found with a camera in hand bouncing around in a Land Rover, Emily is a Conservation Biologist who is happier sleeping in a tent than four walls.



### 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.



## Education in Action

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