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Physics in Action

A limitless world awaits...

Five sessions of phenomenal physics will be brought to you by the brightest lights in the field in 2018. Join us for a day full of inspiration, challenge and engagement. A special session on examination success will provide students with the tools to excel.

- Pressing FIRE on the most powerful laser in the world
- Resistance is futile: the physics of superconductivity
- Frankenstein
- The future ain't what it used to be
- Big Bang



Emmanuel Centre, London
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London, SW1P 3DW



£23 + VAT*

Plus one COMPLIMENTARY staff ticket per 10 students. *VAT may be reclaimable please check with your finance department

ttp 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

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Bookings can be amended up to 28 days before the event day



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in ACTION

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Pressing FIRE on the most powerful laser in the world / [Ceri Brenner](#)

Want to see what happens to stuff when you shoot it with the most powerful laser in the world, or find out how these extreme beams are being applied for cancer treatment or jet engine imaging? We do that too.

Ceri Brenner is a senior physicist developing innovative imaging and inspection technology for use in medical diagnosis, nuclear waste management and aerospace performance testing.



The future ain't what it used to be / [Mark Lewney](#)

What will the Future be like, and why aren't astrologers rich? Predicting the future has changed dramatically over the centuries, and modern Quantum Physics and Chaos Theory now tell us that very basic systems cannot be predicted, even in principle.

Dr Mark Lewney, the Rock Doctor, winner of the first ever FameLab competition and guitar physicist blows your ears with rock guitar and blows your mind with Superstring Theory.



Resistance is futile: the physics of superconductivity / [Andrew Steele](#)

From super-fast, levitating trains to super-powerful magnets which allow us to see inside the body, Andrew will take us on a tour of the cutting edge of superconductor physics.

Andrew is a physicist turned biologist, winner of FameLab UK 2012, blogger with the Guardian and The Conversation and presenter of the Lab, Camera, Action! series on YouTube.



Big Bang / [Simon Singh](#)

Simon will tell the story behind one of the greatest questions in the history of humanity – where did the universe come from? Is the universe eternal or was it created? Is the Big Bang the answer?

Simon is an author and broadcaster. His books include Fermat's Last Theorem, The Code Book, The Big Bang, Trick or Treatment and most recently The Simpsons and Their Mathematical Secrets.



Frankenstein / [Kathryn Harkup](#)

On the 200th anniversary of publication, we'll look at how a real-life Victor Frankenstein might make his creature. How can physics help you dig up dead bodies? Can lightning reanimate a corpse? All monster making questions will be answered.

Kathryn is a chemist and science communicator specialising in delivering talks and workshops on the quirky side of science.



The Training Partnership

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