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Maths in Action

Give your KS5 students the opportunity to meet our crack team of mathematicians, engineers, statisticians, architects, code-breakers, data scientists and more for the ultimate educational experience. Maths in Action features five lively and enriching sessions exploring a variety of topics carefully designed to extend students' knowledge. Each student will also receive our handy revision guide.

- From Euclid to the Electric Guitar
- Living is a risky business
- Fighting disease with Mathematics
- Closing the Gap: the quest to understand prime numbers
- Patterns and predictions



University of Warwick
Gibbet Hill Rd
Coventry, CV4 7AL



£21 + 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.

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



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From Euclid to the Electric Guitar / [David Acheson](#)



Who really discovered Pythagoras's theorem? Why is infinity so dangerous? And what has all this got to do with the electric guitar? David takes an off-beat look at some of the major ideas in mathematics with demonstrations and live experiments.

David Acheson is an Oxford mathematician, and author of two best-sellers: *1089 and All That* (2010), and, more recently, *The Calculus Story* (2017).

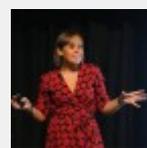


Living is a risky business / [Jen Rogers](#)



Whether bungee jumping or riding a bike, life involves risks. Get to grips with your own personal relationship with risk alongside Jennifer Rogers who shows how statistics can help you make better decisions.

Jen works alongside other statisticians, clinicians, computer scientists, industry experts and regulators. Jen can also regularly be found giving conference talks all things statistics in schools,



Fighting disease with Mathematics / [Sara Jabbari](#)

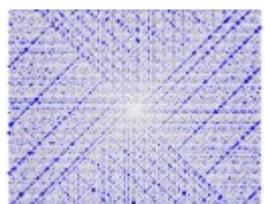


Discover how differential equations are used to understand antibiotic resistance, track the dynamics of bacterial infections and even develop new drugs to tackle disease.

Sara is a mathematician specialising in the modelling of networks of genes that respond to the inter-, intra- and extra-cellular signals that dictate cell behaviour.

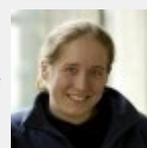


Closing the Gap: the quest to understand prime numbers / [Vicky Neale](#)



Prime numbers have intrigued, inspired and infuriated mathematicians for millennia. Vicky will describe recent progress towards proving the famous Twin Primes Conjecture and the very different ways in which these breakthroughs have been made that reveal how mathematicians work.

Vicky is Whitehead Lecturer in the Mathematical Institute at Oxford University. Vicky spends her time doing maths, teaching maths and talking maths to anyone who will listen.



Patterns and predictions / [Colin Wright](#)



Maths is about patterns – finding them, proving that they're real, and then using them to make predictions. Colin will investigate some patterns – some real, some not real(!) – and see an application in an unexpected place.

Colin received his maths doctorate in 1990 from Cambridge University. While at Cambridge he also learned how to fire-breathe, unicycle, juggle and ballroom dance.



The Training Partnership

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