



MATHEMATICS BEYOND A LEVEL

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# ***THE UNIVERSITY OF SHEFFIELD***

## ***MATHS ACADEMY***

An exciting mathematical  
journey for sixth form students

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## The Maths Academy:

The Maths Academy is about learning for the love of learning; there will be no exams, no pressure, and no stress. The Maths Academy will change your perception of what mathematics is and blow your mind! You will explore the underpinnings of school mathematics, reason about the infinite, explore strange geometries with unimaginable properties, and much, much more! This is your opportunity to see what mathematics really is. Come, and expand your mind!

## Year 12 and Year 13 students:

You are invited to attend a series of talks from professional mathematicians at the University of Sheffield. The talks will be interactive, accessible and very fun. You will get a broad taste of what mathematicians, past and present, think about. Among other exciting things you will learn about “topology”, “non Euclidean geometries”, and “different sizes of infinity”! If you like maths you will absolutely LOVE these talks (which will come with snacks and treats)!

**Times/locations:** Mondays 16:00-17:15, University of Sheffield, Hicks Building:

**Lecture Theatre 5 (“LT05”)** on Monday 07/10/2013, 21/10/2013, 04/11/2013, 18/11/2013, 02/12/2013.

**Lecture Theatre 10 (“LT10”)** on Monday 10/02/2014, 24/02/2014, 10/03/2014, 24/03/2014, 7/04/2014.

## Year 13 students:

You are invited to attend a first year mathematics module called *Numbers and Groups* at the University of Sheffield. If you are going to study mathematics at university next year you can improve your UCAS application and gain an edge next year by coming to Numbers and Groups. The course will differ in style and content to school mathematics, but the course will be extremely interesting and very accessible. If you like maths, you will love this module!

**Times/locations:** University of Sheffield, Dainton Building, Lecture Theatre 1:

Mondays 13:00-13:50 and Thursdays 14:00-14:50: from 30/09/2013 to 20/12/2013 (no lectures on 11/11/2013 and 14/11/2013) and from 20/01/2014 to 07/02/2014. Tutorials will be arranged at a suitable time.

**Registration:** please ask your teacher to register you. Alternatively email Dr. Fionntan Roukema at [f.roukema@sheffield.ac.uk](mailto:f.roukema@sheffield.ac.uk)