6th July - 7th July 2015
at the School of Mathematics
A residential course for strong Year 12 (lower sixth) Advanced Maths students

www.maths.manchester.ac.uk/schools-and-colleges/mmm/
WHAT IS ‘MAKING MATHS @ MANCHESTER’?

Making Maths at Manchester (MM@M) is a two-day residential course for strong YEAR 12 (lower sixth) mathematics A level students, held in the School of Mathematics at the University of Manchester. This year it will run from Monday 6th July - Tuesday 7th July 2015.

The defining element in this event - and its central activity - is the investigation of pieces of mathematics, which, to the participants, will almost certainly be entirely new - irrespective of any exposure to Further Maths. Working in groups (usually of five) and assisted by School of Mathematics academics and postgraduate students, the aim is to make discoveries - be they connections, patterns, formulas or even proofs. Near the end of the course, each group will present its findings to other groups, and will be assessed - with a light touch! - by our academic team.

The social side of MM@M is very vibrant - this feature of the event is regularly commented on by attending students!

Why is MM@M so worthwhile?

MM@M is a big commitment for the School of Mathematics! But, right from the first day of the inaugural event in 2006, the excitement and sense of value were unmistakable. Here are some of the reasons why we can’t wait for MM@M 2015.

- Offers participants a chance to explore, discover and create in new mathematical territory.
- Showcases and promotes ‘the beautiful subject’.
- Provides an opportunity for attending students and our academics and postgraduate mathematicians to interact and learn from each other.
- Allows potential future mathematics undergraduates to experience a little of university life before they apply.
- It’s fun! A great all round social and academic experience.
"I enjoyed MM@M a lot. The postgraduate students and professors were very helpful and took time to explain things. The problems set were at a good ability level and they pushed us to be creative." Megan NORWOOD (2nd Right)

"I thought the lectures were fun - although it was hard to grasp hyperbolic 3D space! Doing Maths (at Manchester) is now my firm choice. Thanks for two enjoyable days."

"MM@M was a great experience. Although the project was the main focus, the social side and the mathematics were nicely balanced. The trip to Jodrell Bank and activities like the Maths Quiz presented good opportunities to socialise. It was nice to meet other people my age who shared the same interests as me!" Caitlin MALHOTRA (left) pictured with Prof. Bill Lionheart

Dr Louise WALKER (3rd from left) said “It was a thrill to be working closely with so many bright and enthusiastic young people”.

Chris NICKERSON (2nd right) thought the maths quiz was “awesome” and loved the food!

"The MM@M experience will stay with me: the department was welcoming and friendly and the course both enjoyable and educational. I really enjoyed working in groups at completely ‘new’ maths – and the social side was great too.” Sarah Hitchen- Gribbon (left)

“In every year since its inception we have had students who wanted to go to MM@M. The event gives them the chance to spend an extended period of time on a piece of mathematics and work with university level mathematicians; a great opportunity for anyone wishing to study maths at degree level. Our students have enjoyed the experience and I would recommend it”.

Philip DEACON, Head of Sixth Form Mathematics, Parrs Wood School
Suitability: Who is MM@M for?
Applicants should be at least 16 years of age and be in the first year of A-level study in Mathematics. They should enjoy and be successful in the subject, have an enquiring mind and the ability to work with others.

How to apply
Download the application form and factsheet from our website (www.maths.manchester.ac.uk/schools-and-colleges/mmm/). Your application requires endorsement from your school/college; applications without this cannot be considered.

Course fees
The course fee is £70; this includes all meals and accommodation on Monday night in a hall of residence. Some schools & colleges with the resources to do so may be prepared to contribute to the cost. Payment details on the factsheet.

Where can I find further details?
Potential applicants who wish to find out more should firstly consult the MM@M website. www.maths.manchester.ac.uk/schools-and-colleges/mmm/
If you have other questions, please feel free to contact one of the event leaders; details below.

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Where is the School of Mathematics at The University of Manchester?
The University is close to the city centre, near Piccadilly and Oxford Rd railway stations. The Alan Turing building, home of the School of Mathematics is #46 on the campus map. (www.manchester.ac.uk/aboutus/travel/maps/)