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MATHEMATICAL EDUCATION ON MERSEYSIDE

# ORBITER

2012  
JANUARY

MEM Orbiter can be downloaded free of charge from <http://www.maths.liv.ac.uk/~mem>

## MEM Challenge & Senior Challenge, LivMS Open Challenge

Copies of these **take-home competitions** for pupils in

**Years 7/8** (Challenge),  
**Years 9/10** (Senior Challenge),  
**18 and under** (Open Challenge) will be mailed directly to all Heads of Maths in all secondary schools by 31 January 2012, to be made available to pupils over **February half-term 2012**. Encourage your pupils to get involved.

Participation in all the competitions is FREE.

For further details visit [www.maths.liv.ac.uk/~mem/](http://www.maths.liv.ac.uk/~mem/)



### MEM Masterclasses

The 21st Series was partly sponsored by **Liverpool Mathematical Society** and partly by the schools of participating pupils. 64 pupils from 37 schools attended the 5 sessions held at the campuses of all 3 universities.

### Further Maths Centre

contact: Martin Bamber  
Tel 0151 795 0345  
[m.bamber@liv.ac.uk](mailto:m.bamber@liv.ac.uk)  
[www.furthermaths.org.uk](http://www.furthermaths.org.uk)

### NCETM

**National Centre for Excellence in Teaching Mathematics**  
[www.ncetm.org.uk](http://www.ncetm.org.uk)

**Primary & Secondary CPD at Liverpool Hope University on Saturday 28 January 2012 & Saturday 17 March 2012**

Details:- [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

**For all CPD enquiries contact**

Pauline Bray  
Tel: 0151 291 3278  
Fax: 0151 291 3163  
[brayp@hope.ac.uk](mailto:brayp@hope.ac.uk)

### FunMaths Roadshow CD

For details and latest news of **CD v5** visit the Roadshow website:  
[www.funmathsroadshow.com](http://www.funmathsroadshow.com)

### Liverpool Mathematical Society (LivMS)

For full details of 2012 events visit [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

**Popular lectures for teachers and 6th formers**

### Katie Chicot 'To Infinity...'

This talk will look at the infinitely big and all the paradoxes it generates, and then the infinitely small to see how the notion of infinity and its use in mathematics has impacted on every aspect of our lives thanks to Newton and Leibnitz. Conceptions and misconceptions of infinity will be explored. We will look at the mathematical meaning of infinity and hence, like Buzz Lightyear and Cantor, move from infinity to 'beyond'.

**Liverpool Hope University**  
Faculty of Education Eden Building  
Room EDEN 036

**Wednesday 7th March 2012**  
**5:30PM to 6:30PM**  
(refreshments from 5:00PM)

No tickets. Admission £2.00 payable on the door. Free admission to full members of LivMS and students

LivMS President: Mark Holland  
[M.P.Holland@exeter.ac.uk](mailto:M.P.Holland@exeter.ac.uk)

LivMS Secretary: Lonnie Readioff  
[readioff@liv.ac.uk](mailto:readioff@liv.ac.uk)

[Note the new date for AGM:- 3rd May 2012]

### LivMS Sixth Form Pop Maths Quiz

The eighth annual Quiz will be held on **Saturday 10th March 2012** at **Liverpool John Moores University** (venue & date to be confirmed)

This is a team competition which runs a bit like a Pub Quiz but without any alcohol! **Prizes will be awarded on the day**. For full details and how to enter contact Sue Harkness:

[sharkness55@gmail.com](mailto:sharkness55@gmail.com)  
[www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

**LivMS BURSARIES** See LivMS website for details of bursaries for teachers and students and how to apply [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

### Maths Club

The next meeting is Saturday 28 January 2012 at Liverpool University. Contact: David Lewis  
[d.m.lewis@liv.ac.uk](mailto:d.m.lewis@liv.ac.uk)  
[www.maths.liv.ac.uk/~mathsclub/](http://www.maths.liv.ac.uk/~mathsclub/)

### Contact MEM

[www.maths.liv.ac.uk/~mem](http://www.maths.liv.ac.uk/~mem)

MEM Chairman: Barry Grantham  
Tel 0151 794 4054  
[granthb47@gmail.com](mailto:granthb47@gmail.com)  
MEM Secretary: Katrina Flanagan  
Tel 01744 678 862  
[katrina.flanagan@thesuttonacademy.org.uk](mailto:katrina.flanagan@thesuttonacademy.org.uk)

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