



MATHEMATICAL EDUCATION ON MERSEYSIDE

Registered Charity No. 517028

ORBITER

2016
JANUARY

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

Liverpool Mathematical Society (LivMS)

Popular lectures suitable for everyone Year 11 and up:

Wednesday 10 February 2016

Liverpool John Moores University
Redmonds Building, L3 5UG



'Orbits: Mathematics meets Music' Composer Emily Howard

This talk will feature video footage of musical performances by virtuoso Paris-based duo scapegoat and conversations with Lasse Rempe-Gillen about the mathematics behind the music.

Details: http://www.livmathssoc.org.uk/cgi-bin/sews.py?Event_20160120_PopularLecture

Wednesday 02 March 2016

University of Liverpool
Chadwick Building L69 7ZF



'Eight Great Reasons for Doing Maths' Professor Chris Budd OBE

In this talk Chris will describe the eight great technologies and explain why they are all important. He will then show that mathematics underpins and links all of them and will drive their future development.

Details: http://www.livmathssoc.org.uk/cgi-bin/sews.py?Event_20160302_PopularLecture

**Both events above are
5:30PM to 6:30PM**

No tickets. Free admission to all students and full members of LivMS
Others £3.00 payable on the door.

MEM Challenge & Senior Challenge, LivMS Open Challenge

Copies of these **take-home competitions** for pupils in **Y7/8** (Challenge), **Y9/10** (Senior Challenge), and **Age 18 and under** (Open Challenge) will be mailed directly to Heads of Maths in all secondary schools by 31 January 2016, and can be **downloaded** from the websites below. They should be made available to pupils over **February half-term 2016**. Participation is **FREE**.

Further details at www.maths.liv.ac.uk/~mem/ and www.livmathssoc.org.uk/

UTC Y8/9 Masterclasses

The 2nd Series of joint Mathematics and Science masterclasses will take place from January to July 2016 at Liverpool Life Sciences University Technical College. For full details and how to apply visit

www.maths.liv.ac.uk/~mem/UTC_Masterclasses.html

MEM Y8/9 Masterclasses

The 25th Series was attended by 62 pupils from 38 schools. Venues for the 5 sessions included in turn the campuses of all 3 Liverpool-based universities.

www.maths.liv.ac.uk/~mem/



LivMS Bursaries (up to £500 each) are available for teachers and students. For more details visit: www.livmathssoc.org.uk/ and click on Joyce Hatton Memorial Bursaries.

The next deadline is 31st January 2016

Join Liverpool Mathematical Society

for access to the members' pages of the website, free admission to public lectures and more, go to www.livmathssoc.org.uk/ and click on Membership (free for students)

FunMaths Roadshow

Welsh version 6 now available

Discounts for those already possessing English v5 or v6. For full details and how to obtain the FunMaths Roadshow please see www.livmathssoc.org.uk/ and click on FunMaths Roadshow

LivMS Sixth Form Pop Maths Quiz

The 12th annual Quiz will be held on **Saturday 12 March 2016**

Liverpool John Moores University
Byrom Street Campus

10:00AM to 2:00PM

This is a team competition which runs a bit like a Pub Quiz but without any alcohol! **Prizes awarded on the day. Details and application forms are now available at:**

www.livmathssoc.org.uk/

The Pop Maths Quiz is sponsored by Chartwell-Yorke (Maths Net A Level), Liverpool John Moores University, Qwizdom and WH Smith.

For details of Interactive Online Tuition see www.mathsnetalevel.com

Contact MEM

www.maths.liv.ac.uk/~mem

MEM Chairman: Barry Grantham
Tel 0151 794 4050
granthb47@gmail.com

MEM Secretary: Dave Usher
Tel 0151 230 1320
D.Usher@lifesciencesutc.co.uk

MEM and LivMS are pleased to acknowledge generous financial help received during the past 12 months from Chartwell-Yorke Ltd, Mercer Limited, P H Holt Foundation, W.H.Smith Promotions Ltd., Liverpool Hope University, Liverpool John Moores University, Qwizdom, University of Liverpool