



MATHEMATICAL EDUCATION ON MERSEYSIDE

Registered Charity No. 517028

ORBITER

2020
JANUARY

MEM Orbiter can be downloaded free of charge from www.mathsmerseyside.org.uk/

Liverpool Mathematical Society (LivMS)

Popular lectures suitable for everyone Year 11 and up:

Wednesday 26th February 2020
5:30PM to 6:30PM

Liverpool John Moores University
Redmonds Building, Lecture Theatre 2
Brownlow Hill, Liverpool, L3 5UG

'Secrets of the Rainbow' Professor Ian Jones

University of Liverpool and
Liverpool John Moores University

In this talk, Ian will present mathematical models, developed during the course of the last few hundred years, which explain some of the features of the rainbow. Such features include the circular shape of the primary and secondary bows, Alexander's dark band, the order of the colours, the angle of the bows in the sky and many others.



These will be discussed with the help of some secondary school geometry. Let's find that pot of gold!

Wednesday 25th March 2020
5:30PM to 6:30PM

University of Liverpool
Central Teaching Hub (tbc)

'The Secret Life of Bubbles' Anna Pratoussevitch

President of Liverpool Mathematical Society

Check the LivMS website for updates:
www.livmathssoc.org.uk/

No tickets. Free admission to all students and full members of LivMS.

Others £4.00 payable on the door.

Join LivMS for details see
www.livmathssoc.org.uk/ Membership

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 2020, and can be **downloaded** from the websites below. They should be made available to pupils over **February half-term 2020**. Participation is **FREE**.

Further details at www.mathsmerseyside.org.uk/ and www.livmathssoc.org.uk/



MEM Y8/9 Masterclasses

The 29th Series was attended by 61 pupils from 26 schools. Venues for the 5 sessions included in turn the campuses of all 3 Liverpool-based universities.

www.mathsmerseyside.org.uk/

Bursaries are available (£50 to £500) through the LivMS **Bursary Fund** (charity number 1156909) for teachers, student teachers and pupils. The next deadlines are 31st January 2020 and 31st May 2020.
www.livmathssoc.org.uk/

The University of Liverpool MATHS SCHOOL

This new venture will open its doors for the first time in September 2020

For details of Open Evenings, Taster Days, Curriculum and Applications, visit

<https://www.liverpool.ac.uk/mathematics-school/about/>

Maths Club

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

The next meeting will take place at the **University of Liverpool** on **Saturday 25th January 2020**

Contact Michael Jones if you would like to attend: M.G.Jones1@liverpool.ac.uk

FunMaths Roadshow is now available in English and Welsh versions. For more details and to order go to www.livmathssoc.org.uk/ and click on FunMaths Roadshow.

LivMS Sixth Form Pop Maths Quiz



The 16th annual Quiz will be held on **Saturday 7th March 2020**

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 are awarded on the day.

Details and application forms are now available at:

www.livmathssoc.org.uk/

The Pop Maths Quiz is sponsored by Liverpool John Moores University, and WH Smith.

Contact MEM

www.mathsmerseyside.org.uk/

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