



# MATHEMATICAL EDUCATION ON MERSEYSIDE

Registered Charity No. 517028

## ORBITER

2025

JANUARY

MEM Orbiter can be downloaded free of charge from [www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/)

### Liverpool Mathematical Society (LivMS)



#### Popular Lecture

**Wednesday 05 February 2025**

17:00 to 18:00PM in-person only

**University of Liverpool**

Central Teaching Hub - Theatre C

#### Assessing England's Water Environment: a Statistical Story

**Dr Eleanor D'Arcy**

(Environment Agency)



Eleanor will talk about the importance of statistics in understanding the state of the natural environment as part of the Defra funded Natural Capital and Ecosystem Assessment programme. This is a science innovation and transformation programme set up to collect data on the extent, condition and change over time of England's land and water environments, as part of the UK government's commitment to leave the environment in a better state for future generations. Statistics is a fundamental part of the programme, from designing networks for data collection through to analysis and inference.

In 2023-24, Eleanor was a William Guy lecturer for the Royal Statistical Society, where she spoke to sixth form students across the UK about statistics for extreme sea level estimation.

Suitable for Year 11 up and anyone interested in Mathematics

[Further details](#) and [Registration](#)

### 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 2025, and can be **downloaded** from the websites below. They should be made available to pupils over **February half-term 2025**. Participation is **FREE**.

Further details at [www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/) and [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

### LivMS Presidential Lecture

**Wednesday 12 March 2025**

17:00 to 18:00PM – online

**Teaching Mathematics to Primary Pupils Davina Stanley** (President, Liverpool Mathematical Society)

Suitable for Year 11 up and teachers

Further details and Registration [HERE](#)

### LivMS FunMaths Roadshow

This very popular resource is available as a download in English and Welsh versions. For more details and to order go to [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/) and click on **FunMaths Roadshow**.

A selection of these activities for use at home can be downloaded (free!): [FunMaths Roadshow Home Activities](#)

### Contact MEM

[www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/)

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**Join Liverpool Mathematical Society** Membership of the Society is important to us, so please join if you can: [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/) and click on Membership (free for students)

### LivMS Sixth Form Pop Maths Quiz

The 21st annual Pop Maths Quiz will take place both online and face to face **at Liverpool John Moores University** Student Life Building on

**Saturday 01 March 2025**

10:00AM to 2:00PM tbc.

Put the date in your diaries and keep an eye on the LivMS website for updates: [2025 Pop Maths Quiz](#)

### MEM Y8/9 Masterclasses

The 2024 Series was held face-to-face with 50 pupils attending at 5 venues on 5 Saturdays.



### LivMS Bursary Fund

Applications for bursaries made up to **28 February 2025** will be considered on a first-come first-served basis. We expect to award bursaries of between £50 and £300 (in exceptional circumstances, up to £500). For further details go to [LivMS Bursary Fund](#)

MEM and LivMS are pleased to acknowledge generous financial help received during the past 12 months from the Company of Actuaries Charitable Trust, P H Holt Foundation, Leverhulme Trust, Liverpool Hope University, Liverpool John Moores University, Mercer, University of Liverpool, University of Liverpool Maths School, and W.H.Smith Promotions Ltd.