



# MATHEMATICAL EDUCATION ON MERSEYSIDE

Registered Charity no. 517028

## ORBITER

2023

APRIL

MEM Orbiter can be downloaded free of charge from <https://www.mathsmerseyside.org.uk/>

**Sixth Form Pop Maths Quiz** The nineteenth Annual LivMS Quiz was held on **Saturday 11th March 2023** at the Liverpool John Moores University Student Life Building and also on **TEAMS**, and was organised by Barry Grantham, Ian Jarman,



Tony Carter and Philippa McCabe. The Quiz was attended by **47** students in **12** teams from **7** schools, based in Merseyside, Wirral, Cheshire, Lancashire, and the Channel Islands. Cash prizes were awarded to those attending in person, and all participating teams received certificates. The Quiz was sponsored by Liverpool John Moores University, Liverpool Mathematical Society

and W.H.Smith Promotions Ltd. More details can be seen here: <https://www.livmathssoc.org.uk/cgi-bin/sews.py?PopMathsQuiz>

**MEM Masterclasses 2023** The thirty-third series of MEM Masterclasses will take place in the Autumn Term on **five** Saturdays starting in October 2023. Full details can be found at [www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/)

If you wish to nominate up to **four** pupils from your school who are at present in **Y7 or Y8**, the application process will open after half term on **5th June 2023** at:

[www.mathsmerseyside.org.uk/](http://www.mathsmerseyside.org.uk/) **Don't delay. Places are limited and will fill up very quickly.**

### Liverpool Mathematical Society



#### Presidential Lecture:

**Wednesday 17th May 2023**  
**5:00PM – 6.00PM** both F2F and online  
**Phi, Phyllotaxis and Fibonacci**

**Damian Haigh** (President of Liverpool Mathematical Society)

In this talk Damian will explore the links between Fibonacci's sequence and the golden ratio, and the irrational but clever way in which some plants grow.



The talk will take in some history, some continued fractions, some geometry and some algebra.

Suitable for Year 11 up, and all those interested in mathematics

Further details can be seen here: [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

The talk is free but must be booked in advance via [Eventbrite](https://www.eventbrite.com)



#### Advance notice: LivMS Autumn Lecture Programme:

**Wednesday 18th October 2023:**  
**Tony Padilla**, details tbc.

**November 2023 (primary focus):**  
**Ems Lord** (Nrich), details tbc.

**Wednesday 13th December 2023:**  
**Alison Kiddle, LivMS**  
**Christmas Lecture.**

Further details when available can be seen here: [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/)

#### FunMaths Roadshow

Version 6 (in English and Welsh) is available as a download.

Once purchased, **schools are welcome to adapt Roadshow activities** and make them available for their own students to work on at home.

Go to [www.livmathssoc.org.uk/cgi-bin/sews.py?FunMathsRoadshow](http://www.livmathssoc.org.uk/cgi-bin/sews.py?FunMathsRoadshow)

#### Challenge, Senior Challenge, and LivMS Open Challenge

These **take-home competitions** for pupils in age groups **Years 7/8, 9/10** and **13 and below** were held in the February half-term 2023.

**Prizegiving** evenings at the University of Liverpool will be held on Tuesday 9<sup>th</sup> May (Senior Challenge) and Tuesday 16<sup>th</sup> May (Challenge). A **virtual prizegiving** evening for Open Challenge will be held on Wednesday 10<sup>th</sup> May on 'Gather.town'

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

**LivMS Bursaries** (up to £500 each) are available for teachers and students. We will be considering applications on a first-come first-served basis up to 31<sup>st</sup> July 2023 (if funds permit).

Details: [www.livmathssoc.org.uk/](http://www.livmathssoc.org.uk/) Click on 'Joyce Hatton Memorial Bursaries'

#### Contact MEM

Chairman: Barry Grantham  
[granthb47@gmail.com](mailto:granthb47@gmail.com)

Deputy Chair & Secretary: Kerrie Evans  
[evansk@ridgeway.wirral.sch.uk](mailto:evansk@ridgeway.wirral.sch.uk)

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