



Advanced Mathematics
Support Programme®

Core Maths Summer Festival 2024

All sessions **begin at 4pm** and run for 1.5 hours. There will be time after each session for you to ask questions and get personalised advice and support.

When	Presenters	Details and booking link
Thursday 13th June	<u>Tom Rainbow</u> is a Maths Education Support Specialist at MEI. He delivers courses on L3 Core Maths and <u>maths in A level Geography</u> which is run in conjunction with the <u>RGS</u>	<u>Fun and games with Core Maths?</u> Who doesn't love a maths game? ...But how can they be successfully used in the Core Maths classroom? With its emphasis on the authentic use of context, is it appropriate to use number games when teaching Core Maths? Does a lack of contextualisation matter? Can an 'authentic context' be found for any situation? Teachers attending this workshop will leave with a range of maths games that have been fully stress tested (and have been found to keep even the most disgruntled maths students interested) but they will also have had the opportunity to consider what it means to 'Core Mathsify' a resource such that its use in a Core Maths lesson feels right. Please come expecting to play some games, have some fun...whilst also drawing on your creative and critical juices!
Wednesday 19th June	<u>Tom Button</u> is MEI's Maths Technology Specialist. He delivers professional development courses and leads on MEI's work on introducing <u>Data Science</u> to learners.	<u>Data analysis made simple with CODAP</u> You may well be thinking that the last thing you need is another graphing software application, but this one really is amazing! The 'Common Online Data Analysis Platform' (CODAP) is a free web-based data analysis tool that has been specifically designed for students learning about working with data. In this session, you will see how easy CODAP is to use by exploring a number of intriguing data sets. There will be an opportunity for you to learn how to import your own data sets and to consider the impact of CODAP on your classroom practice. Absolutely no prior experience with data sets necessary.

<p>Thursday 20th June</p>	<p><u>Liz Hopker</u> is a Maths Education Support Specialist at MEI. She develops teaching and learning resources for the <u>Core Maths platform</u>.</p>	<p><u>Exploring Mastery in Core Maths</u> Whilst 'Teaching for Mastery' is becoming well-established in the earlier stages of the maths curriculum, using a mastery approach in Core Maths has, to our knowledge, yet to be widely considered. Could a mastery approach support the teaching of Core Maths? Are we already using mastery in Core Maths teaching and learning, perhaps without even realising it? Could the use of 'mastery principles' help to bridge the gap between Year 11 and Core Maths for those students achieving a grade 4 or 5 in their GCSE? In this session, Liz will explore how Core Maths teaching and learning can be supported by considering a mastery approach. She will highlight existing resources and their links to Teaching for Mastery.</p>
<p>Tuesday 25th June</p>	<p>Hafsa Farhana is a Secondary maths teacher and leader who has worked in a diverse school in London. Hafsa is an active participant in the <u>Teaching Maths for Social Justice Network</u>.</p> <p><u>Cat van Saarloos</u> is a Maths Education Support Specialist at MEI. She delivers courses on L3 Core Maths and <u>maths in A level Psychology</u></p>	<p><u>Teaching maths for social justice</u> Use of context in the maths classroom is essential but do you play it safe to avoid contention? Are you interested in addressing issues of social justice in your maths classroom but not sure where to start?</p> <p>Use of social, cultural, political, and economic contexts can provoke deeper thinking and greater curiosity about the world and highlight the importance of maths in a fair society. In this session you will hear from Hafsa Farhana whose mathematics department has created a bank of resources that address a range of social issues. Hafsa strives to integrate the use of mathematics for social justice into her school's learning framework from Key Stage 3. You will leave with ideas and resources that will encourage collaborative problem solving and equip your learners to question inequality.</p>
<p>Wednesday 26th June</p>	<p><u>Jude Mortimer</u> is a Maths Education Support Specialist at MEI. She delivers courses on Core Maths, <u>Post 16 GCSE/FSQ</u>, Adult Education and <u>'Multiply'</u>.</p>	<p><u>Enhance your maths teaching with AI</u> Are you worried about the impact of AI? Are people around you talking about ChatGPT and you feel left behind?</p> <p>As educators, the use of artificial intelligence in our practice may seem too problematic, but overlooking its potential could mean missing out on valuable opportunities! This session aims to show you ways in which AI can enhance your maths teaching. Come along to explore AI resources, effective ChatGPT prompts and different ways of using AI to support you in your teaching. We will also be examining how we can ensure that the use of AI in the classroom is carried out responsibly, whilst also being enriching and efficient.</p>

We would also love for you to join us at our [Summer Conference in London](#) on Friday 28th June.