

Summer Showcase – MATHS CRUISE



20th – 24th June 2022

We would like to invite you to our Mathematical cruise; a **voyage of discovery** over the **Mobius area** (Wiltshire, Swindon, Reading, West Berkshire, Wokingham and Bracknell Forest). You will get the unique opportunity to **disembark** for a **face-to-face experience** at different **destinations** or join in for **online activities** on board.

Special guests include:

Gareth Metcalfe - Building Children as Mathematical Problem-Solvers

Jonathan Hall - Making the most out of MathsBot

Helen Williams - Spatial Reasoning and the Learning Trajectory from Early Childhood

Mobius Maths Hub Mathematical Cruise 20th - 24th June 2022						
Mon 20th June Observe a KS3 mastery lesson and join in a workshop on how to use representations to expose mathematical structure. 08:30 – 11:00 The Willink School	Secondary Mastery Taster Reading/West Berkshire Observe year 1 Mastery lesson, including a post-session discussion with the Specialist. 09:00 – 11:00 At Robert Piggott C of E Infant School	Gareth Metcalfe Building Children as Mathematical Problem Solvers How can we support children in understanding the deep structure of different problem-solving tasks? How can students make connections between different problem-solving experiences? Online KS1 & KS2 13:30 – 14:45		A Level – Proof This session will look at strategies to make proof more relevant and help students really understand what it's all about. Hosted by Lucy Taylor. Online KS5 15:45 – 17:00		
Tues 21st June Opportunity to observe a KS3 Mastery lesson followed by a collaborative mastery planning session. KS3 & KS4 08:00 – 11:00 Sandhurst School	Primary Mastery Taster Reading Observe year 6 Mastery lesson, including a post-session discussion with the Specialist. 09:45 – 12:00 Battle Primary School	Primary Mastery Taster for Senior Leads Wiltshire Go on a learning walk and see the impact of Mastery teaching in a school. KS1/KS2 09:00 – 11:30 St Michael's C of E School	Oracy in the Maths classroom Online Get your students to speak like a mathematician. We will consider mathematical language and vocabulary, oracy and literacy in the maths classroom. Hosted by Arwah Chakera. KS2/3/4 15:45 – 16:45	The Five Big Ideas Revisited Online We explore: how do we build mathematical fluency in the classroom? What are the stages our students go through to become fluent? Hosted by Gill Knight. KS1 & KS2 15:45 – 17:15	Teaching in a Core Maths Way Online Help students use maths to strengthen arguments, reach conclusions and evaluate effectiveness in situations that are relevant to them. Presented by Tom Rainbow, in conjunction with AMSP. KS5 16:00 – 17:30	
Wed 22nd June See Teaching for Mastery in action at secondary level and join a workshop on how to incorporate variation when teaching mathematics. KS3 & KS4 12:20 – 14:45 The Downs School	Primary Mastery Taster Session West Berkshire Observe year 2 Mastery lesson, including a post-session discussion with the Specialist. 10:30 – 12:30 Whitelands Park Primary	Jonathan Hall Making the Most out of MathsBot Online Jonathan Hall is the creator of mathsbot.com , where he offers a huge range of virtual manipulatives and interactive teaching tools to aid the teaching of mathematics. All Stages 16:00 – 17:15				
Thurs 23rd June Observe a Teaching for Mastery lesson and join a session focused on ways to ensure coherence when teaching mathematics? KS3 & KS4 12:45 – 15:00 St John's School Marlborough	Mathematical Thinking for GCSE Join a taster session for our popular work group focused on developing strategies to get students to think mathematically. Online KS3 & KS4 15:30 – 16:30	Helen Williams Spatial Reasoning and the Learning Trajectory from Early Childhood Online In this session, Helen will explore some practical implications from international research into the importance of spatial reasoning in young children's overall mathematical development by exploring the ECMG/University of Surrey's Spatial Reasoning Toolkit, in particular the idea of a developmental learning trajectory (Clements & Sarama 2021) Early Years, KS1 & Maths Subject Leads 16:00 – 17:25				
Fri 24th June If you have an interest and a passion for developing skills to influence what your colleagues are doing in their own classrooms, this is the session for you. We will look at some practical strategies, the theory that underpins them and what it is that makes them effective. Presented by Gill Knight. All Stages 13:30 – 15:00	Influencing the Behaviour of Your Colleagues Online					

[To view the timetable of events and to book your place, click here.](#)

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