



**FRIDAY 9TH
DECEMBER 2016**

09:00–3:30

**SOMERDALE PAVILION
KEYNSHAM BRISTOL
BS31 2FW**

AUDIENCE: Headteachers, Senior
Leaders, Mathematics Leaders,
Mathematics Teachers, Early Years
Leaders

**Multi delegate
discount**

BOOKING FEES & DISCOUNTS

Charge per delegate	1	2+
Maintained	£60	20% off for all dele-
Academy	£100	
Non BANES schools	£120	

Bookings Via :

["thehub.bathnes.gov.uk"](http://thehub.bathnes.gov.uk)

01225 394364

deborah_carter@bathnes.

gov.uk

Booking Opens 30th

September

Deepening Mathematical Understanding

Practical & Fun Ideas for
Building Mastery in your School
CONFERENCE—FRIDAY 9TH DECEMBER

**A ONE DAY MATHEMATICS CONFERENCE FEATURING TWO NATIONAL
KEY NOTE SPEAKERS, A RANGE OF WORKSHOPS AND EXHIBITORS**

Rob Eastaway is an author and speaker whose books include the bestselling *Maths for Mums and Dads* and *Why Do Buses Come in Threes?* He is the Director of *Maths Inspiration*, interactive lecture shows for teenagers held in theatres across the country. He is often to be heard discussing the maths of everyday life on BBC Radio 4 and 5 Live.

Pete Griffin—teacher, advisory teacher, mathematics adviser, mathematics education lecturer and now assistant director of the National Centre for Excellence in Teaching Mathematics. Pete has a deep understanding of how children learn mathematics and has a wide experience in designing professional development opportunities for primary and secondary teachers. He will provide practical examples and the theoretical background to key methods of teaching for mastery and building mathematical understanding.

A range of workshops including :

- > Supporting girls' mathematical development
- > Puzzles and magic
- > Mathematics in early years
- > Algebra in transition for primary to secondary
- > Singapore Maths
- > Practical and inspiring advice from a school mathematics leader

Delegates will:

Be inspired by mathematics

Hear practical steps to improving mastery in their school

Experience interesting and fun ideas for teaching mathematics

Learn from experienced subject leaders about how they improved mathematics in their school

Try out activities and ideas to improve mathematical learning

Have an opportunity to view and discuss resources with exhibitors

Workshops Session 1

Maths and Magic Rob Eastaway	This workshop is entirely dedicated to mathematical magic tricks. These provide excellent launch points for maths investigation that suit all abilities. And there's plenty of serious maths; symmetry, factors, binary numbers, primes and proof all feature.
Running a successful mathematics department James Pretty	How to empower and develop your maths staff through creating a learning culture to maximise pupil progress from KS2 – KS4
Terrific Tens Frames and Number Talks Sue Rayner	This workshop will share learning from a mathematics project on children's ability to subitise and to recognise how numbers are made up number combinations. It will include discussion and activities. Participants will gain many practical ideas to use with children in both adult-led and child-initiated activities.
Supporting girls to meet their full potential in maths Liz Thomas	<p>Are your girls performing better in the lessons than in tests?</p> <p>This workshop will explore a range of whole school and individual classroom strategies to raise the self-confidence and attainment of girls in maths. Case studies, action plans and self-evaluation tools for addressing girls' underachievement will be shared.</p>
The role of variation in developing understanding The Boolean Hub	Mastery and variation are words now often heard. Multiple meanings from many sources can be confusing. We will get straight to the point and alleviate the mystery around the craft of variation in Mathematics teaching and learning enabling you to embed its basic principles into your practice.

Workshops Session 2

Games and puzzles Rob Eastaway	Games and puzzles are the entry point for some of the most interesting ideas in maths. Rob will introduce a number of games and puzzles that can intrigue and inspire children across a wide range of ages and ability – and which also reinforce important elements of the curriculum.
Algebra through the transition – getting the foundations right James Pretty	<p>What is algebra and what is the point of it?</p> <p>How do we set the foundations correctly to allow access to higher level mathematics?</p>
EYFS: The language of number and counting Liz Thomas	Have you ever considered how complex the language of number is to a young child or the different skills that you need for counting? This practical workshop will explore the early stages of number and counting through several hands on activities, unpick the key vocabulary and share ideas to develop successful counting.
Factual Fluency The Boolean Hub	Maths is about much more than knowing facts. But fluency in basic facts is essential to accessing more complex mathematics. We will look at research into effective teaching approaches to make sure that all children have these fundamental building blocks in place.
Moving to Mastery at The Park Primary Dan Nicholls & Barrie Suthern	We will tell the story of how and why we implemented fundamental changes to teaching and learning in maths including a practical 'hands on' approach, hinge questions for AFL and using a maths wall effectively.