

I See Maths^{ltd}

presents

MASTERY IN MATHEMATICS TWILIGHT TRAINING WITH GARETH METCALFE

AVAILABLE FROM SEPTEMBER 2016

Inspirational whole-school training for building a mastery curriculum in mathematics

Gareth Metcalfe Twilight Training

Inspiring, practical training for deepening mathematical understanding throughout the school.

Cluster with local schools and share the cost!

MAKE MONEY by selling out places!

4.00 - 6.30pm

COSTS

*One school: £750 per school
Two schools clustering: £650 per school
Three schools clustering: £550 per school
Four schools clustering: £500 per school*

Prices above plus travel at 48p per mile and 60p per handout for photocopying. A 10% discount is offered to schools who book multiple twilight training sessions.

IF SCHOOLS WISH TO SELL OUT ADDITIONAL PLACES TO OFFSET COSTS WE ASK THAT THEY CHARGE NO MORE THAN £60 PER PLACE. We add an additional £40 for each place 'sold on' and the school retains £20.

Full options for content are listed overleaf. Participants will leave with a fuller understanding of how children learn mathematics; they will also be armed with a range of ideas, questions and tasks that can be used in the classroom. The training will help children to develop a deep understanding and an enjoyment of mathematics.

TAILOR-MAKE YOUR TWILIGHT TO THE SPECIFIC REQUIREMENTS OF YOUR SCHOOL

to book call **077255 38205** or email **gareth.metcalfe@hotmail.co.uk**

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FIND OUT MORE

Choose from the following training options to suit your specific school needs.

Creating a positive maths culture – a whole-school model for promoting effective mindsets towards learning mathematics and improving the quality of maths talk. Exemplified by questions and tasks from different phases of the school.

Developing pre-calculation skills – exploring the skills and knowledge that children need in order to develop early calculation skills. Includes a detailed diagnostic tool for assessing children's early number skills.

Supporting calculation through equipment, images and bar modelling – using models and images to develop an understanding of key calculation concepts for all age-groups. Includes the use of maths equipment and looks at how bar modelling can be used to support understanding.

Exploring concepts practically – examples of how to introduce maths topics using practical, visual 'immersion' maths tasks. Games and tasks are accessible for all children yet have the potential for deeper learning.

Creating effective questioning – looking at ways to structure tasks that lead to discussion over strategy, children making generalisations and reasoning deeply. A range of age-appropriate strategies are shared for writing effective maths questions.

Assessment for learning in maths – time-efficient high-impact approaches to marking, providing feedback and planning future lessons based on assessment information.

Teaching and learning problem-solving skills – a whole-school approach for teaching problem-solving skills, with example tasks and questions. Includes looking at the inspirational resources *First Class Maths* and *The Maths Apprenticeship*.

Technology to enhance learning – how videos can be used to scaffold learning and record classroom experiences. Also, how apps can be used to visualise and deepen learning.

To book call **077255 38205** or email **gareth.metcalfe@hotmail.co.uk**

GARETH METCALFE

Gareth is an Assistant Headteacher who has developed a range of innovative, high-impact teaching methods in mathematics which have resulting in outstanding value-added measures. He is a maths consultant for his local authority, and leads maths conferences and INSET training events locally and nationally, receiving consistently outstanding feedback.

Gareth has won a national science teaching award, the Primary Science Teaching Trust Keith Bishop Award, and is the author of the pioneering maths resources *The Maths Apprenticeship*, *First Class Maths* and the iPad app *Logic Squares*. He is the lead director of the pioneering organisation 'I See Maths Ltd'.

Gareth's training is grounded in pedagogical research and is highly practical, helping teachers to develop a rich, practical and engaging maths curriculum.

Gareth Metcalfe is the author of...



First Class Maths (English & Welsh Editions)



The Maths Apprenticeship (Student & Teachers' Editions)