

# I See Maths<sup>ltd</sup>

presents

## MASTERY IN MATHEMATICS TRAINING WITH GARETH METCALFE

AVAILABLE FROM SEPTEMBER 2016

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

### Gareth Metcalfe Training

*Explore an exciting, practical vision for primary mathematics from a current teacher and school leader.*

*Develop consistent whole-school approaches to using visual models, improving reasoning and developing positive attitudes to maths.*

*Includes a range of practical activities, apps and resources to enrich the maths curriculum!*

### COSTS

*One school: £900 per school  
Two schools clustering: £700 per school  
Three+ schools clustering: £600 per school*

*Additional places can be sold on at £100 per place. We charge £60 and the school retains £40 for each place sold on.*

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

*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 INSET DAY TO THE SPECIFIC REQUIREMENTS OF YOUR SCHOOL**

to book call **077255 38205** or email **[gareth.metcalfe@hotmail.co.uk](mailto:gareth.metcalfe@hotmail.co.uk)**

**TRAINING AVAILABLE FROM SEPTEMBER 2016**

**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.

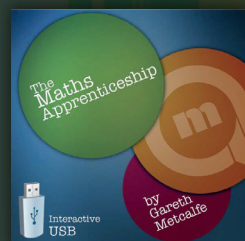
Gareth has won a national science teaching award, the Primary Science Teaching Trust Keith Bishop Award, and is the author of the pioneering maths resources *The Maths Apprenticeship*, *First Class Maths* and the iPad app *Logic Squares*. He is the lead director of the pioneering organisation 'I See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