

I SEE MATHS ltd presents...

# MASTERY IN MATHEMATICS

Twilight training with Gareth Metcalfe

Practical, inspiring twilight training for deepening every child's mathematical understanding

Explore an evidence-based, practical vision for primary maths from Gareth Metcalfe, current practitioner and NCETM-accredited CPD provider.

Build understanding using equipment and images; interweave reasoning in daily lessons; access a range of games and resources for deepening maths learning.

Details about training are listed overleaf. Sessions are planned in consultation with schools to meet their specific requirements.

## Costs

Schools with 16+ classes: £750+VAT

Schools with 8-15 classes: £650+VAT

Schools with 2-7 classes: £600+VAT

Plus travel expenses (45p per mile or public transport cost).

**The host school retains 50% of income from visiting delegates.**

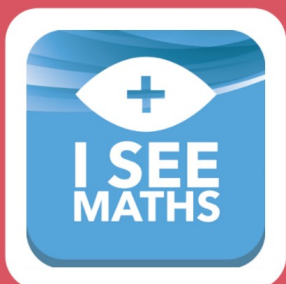
**Costs for additional delegates:**

£395 for schools bringing 20+ staff

£295 for schools bringing 6-19 staff

£50 per individual

An invoice is sent to the host school. The host school invoices for all visiting delegates.



**BOOK NOW!**

Email: [iseemaths@hotmail.com](mailto:iseemaths@hotmail.com)

Call: 07725 538205

Website: [www.iseemaths.com](http://www.iseemaths.com)

Continuing Professional  
Development  
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National Centre  
for Excellence in the  
Teaching of Mathematics



'Particular strengths of **I See Maths** are the quality of the CPD offered in terms of subject knowledge, pedagogy and embedding this into classroom practice.'

**National Centre for Excellence in the Teaching of Mathematics**

## Choose a selection from the following training options:

**Early Number Sense:** a study of the knowledge and skills that give children a strong, conceptual 'feel' for number. Guidance on the progression from counting to calculating and a range of free resources for visualising quantities are shared.

**Using Equipment, Images and Bar Modelling:** a whole-school approach to using concrete and resources and pictorial representations. We see how they can be used to build understanding, improve mental fluency and support problem-solving. We also see how bar modelling can be introduced and used through the school.

**Planning for Mastery:** planning sequences of lessons in line with the principles of teaching for mastery. We look at breaking learning into small steps and how these key ideas can be understood deeply. We consider the role of pre-teaching, assessment and differentiation.

**Embedding Reasoning:** a range of ideas and resources will be shared that allow all children to reason mathematically. We will look at open tasks that encourage meaningful collaboration, variation and questions that allow children to explore maths at greater depth.

**Learning to Problem-Solve:** a study in how to break the problem-solving process down into pieces, model problems effectively and teach related problems together so children learn to problem-solve.

### Gareth Metcalfe

Gareth is an experienced school leader and current practitioner who works schools and local authorities to promote deep, visual learning in primary maths. He has won a national teaching award, has written a range of pioneering maths resources and is the Director of 'I See Maths Ltd'. His practical training is grounded in pedagogical research, helping teachers to develop a rich and engaging maths curriculum.