



Prince Bishops  
Teaching School Alliance

Growing together



## Inspire Maths professional development Underpinning the Singapore approach to teaching and learning mathematics

**Grand Hotel Gosforth Park, Newcastle – NE3 5HN (Formerly Marriott)**

Prince Bishops Teaching School Alliance are again working with leading UK Singapore Maths experts to offer 5 days of intensive support, delivered over two and a half terms for your Maths Coordinators and members of the Senior Leadership Team.

Using Oxford University Press' Inspire Maths textbook programme participants will understand the key principles of the Singapore approach to teaching mathematics and have increased confidence in teaching to mastery to develop secure learners with deep conceptual understanding.

Led by Sue Lowndes and her team of UK Singapore maths experts, the Inspire Maths School Improvement implementation programme builds a professional learning community to support school leaders in implementing *Inspire Maths* - for sustained school improvement in mathematics teaching and learning 'Inspiring Maths' promises to be an exciting course where practitioners will have many and varied opportunities to learn new techniques leading to confident and skilled delivery in the classroom.

### What does the Implementation Programme cover?

Over the course of three terms, these five days of intensive support will:

- Introduce the Singapore approach to teaching and learning mathematics
- Exemplify effective teaching with Inspire Maths through the spiral approach teaching to mastery
- Provide opportunities to engage with and share outcomes of classroom based tasks building a professional learning community
- Consider how to embed conceptual understanding and procedural knowledge for deep learning
- Support teachers in planning for implementation and delivery
- Develop teachers' pedagogical understanding
- Improve teachers' subject knowledge



#### Prince Bishops Teaching School Alliance

Whitburn CE Academy  
Whitburn, Sunderland  
Tyne and Wear, SR6 7EF

Benedict Biscop CE Academy  
Marcross Drive, Moorside  
Sunderland, SR3 2RE



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T: 0191 529 4202 M: 07896 665 670 [www.pbtsa.co.uk](http://www.pbtsa.co.uk)



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Teaching *Inspire Maths* through a spiral approach leading to mastery

### Days 1 & 2 – Thursday 28<sup>th</sup> February and Friday 1<sup>st</sup> March 2019

*Inspire Maths* approach to...

- problem-solving
- developing fluency and flexibility in number
- bar modelling and CPA approach
- understanding the four operations
- Planning for school implementation

### Day 3 – Friday 17<sup>th</sup> May 2019

*Inspire Maths* approach to...

- Working as a professional learning community
- Sharing good practice
- multiplying and dividing
- data handling
- Planning for the school based task

### Days 4 & 5 – Thursday 27<sup>th</sup> and Friday 28<sup>th</sup> June 2019

- Planning for sustained implementation to transform the teaching and learning of mathematics

*Inspire Maths* approach to...

- teaching fractions, leading to ratio and percentages
- shape and measure
- supporting procedural rules

**The cost of the workshops is £500 per delegate for all 5 days**

**Cancellations:** All cancellations must be made in writing, in the event that you need to cancel this training; a cancellation charge will be incurred. Up to six weeks prior to the training, a full refund will be made. Within six weeks of the training date, a 50% charge will be made. The full cost of the training will be charged should the cancellation be made within 3 weeks of the sessions date.



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## Rachel Rayner – Inspire Maths Consultant

Rachel Rayner has been a mathematics local improvement consultant for 3 years. Previous to this she worked in primary schools in both London and Hertfordshire for over 18 years, including as a senior leader and Maths lead, she is also an accredited Maths Specialist Teacher. In her role as a consultant, she leads research projects alongside teacher practitioners from clusters of schools that improve pupils' fluency with number. Rachel's specialism lies in developing Maths practice across schools including implementing mastery for learning. She is especially passionate about ensuring that mathematics learning is underpinned by conceptual understanding through the CPA approach and well-constructed rehearsal that allow all pupils to be successful at mathematics. In evaluations of training, her input has been described as both motivational and engaging and teachers value the highly practical exemplification she seeks to provide.

## Testimonials

*"A refreshing update of pedagogy and a thorough update of subject knowledge. Excellent training – looking forward to implementing ideas in class!"*

*"Some of the best training I have ever attended! Very thought provoking!"*

*"Relaxed learning environment with great coverage. Lots of practical ideas and 'real' answers to lots of questions."*

*"Excellent and very informative. I enjoyed learning about the different theories behind teaching the mastery approach and going back to school to try out their ideas."*

*"Opportunities to look at teacher guides/text books and linked practical activities to actual books. Great! Very informative and interesting! Lots of time for discussions and questions."*

*"The opportunity was given to 'try' the methods and concepts and time was given to reflect on each part of the session."*

*"Very informative on CPS and new Inspire Maths text books. Great communication from course leaders (smiley face!)"*

*"I feel very inspired and can't wait to try out ideas and feedback at school!"*

*"I really enjoyed everything! Delivery was interesting and explained clearly!"*

*"Fantastic – very motivating and great consultant!"*

*"Can't wait to implement in our school!"*



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