

Getting started with algebraFirst™

A Mathematical Journey in Colour using Cuisenaire rods

Our exciting Cuisenaire projects have put algebra at the heart of mathematics in Primary schools. By following Caleb Gattegno's approach to working with young learners through his 'Numbers in Colour' textbooks, we've been able to show that young children can make vital connections in their understanding of key mathematical concepts, moving fluently between them. The practical nature of the Cuisenaire rods allow for curiosity, whilst creating a classroom environment full of rich mathematical language.

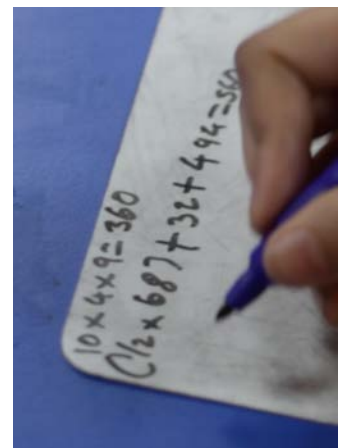


Who is this aimed at?

Primary mathematics coordinators and KSI teachers concerned to develop fluency in moving between representations of mathematical ideas. Participants will learn how to introduce algebra to teach all four arithmetic operations and fractions as operators in KSI, as required in the National Curriculum.

What will be involved?

- A clear explanation as to how we are integrating Gattegno's approach to algebra in the classroom.
- A demonstration of how learners develop deep conceptual understanding and develop mastery in Gattegno's approach.
- Practical exercises to model addition, subtraction, multiplication and fractions as operators in Year 1.
- A review of common misconceptions in lesson design and planning, and how to build on Y1 to meet KSI tests and prepare for lower KS2
- We will share some of the work completed by the children and illustrate how Gattegno's 'Numbers in Colour' textbooks have inspired our lessons and invigorated our approach to teaching across the schools.
- Teachers will observe demonstration lessons in Y1 and Y2



Time commitment

- Between 10:00 on Sunday 16 July and 15:00 on Monday 17 July 2017

Venue

- Bexleyheath Marriott Hotel, 1 Broadway, Bexleyheath

About the Facilitators

- Jenny Cane is KSI leader at Bursted Wood. Articles on her work can be downloaded from <http://tizard.stanford.edu/users/jennymcane>
- Rachael Rudge is Y1 teacher at Bentley Primary. Articles on her work can be downloaded from <http://tizard.stanford.edu/users/rachaelrudge>
- Dr Ian Benson facilitates the Tizard network of schools reevaluating and revitalising the Cuisenaire-Gattegno approach.
- A 3 min video on our work can be viewed at <http://vimeo.com/90483097> (password: maths)