

# Mathematics Toolkit: fluency, reasoning and problem solving



*"Pupils need to become fluent, reason mathematically and solve problems."*

- Do you know what the three aims of the National Curriculum for mathematics are?
- Do you have a clear understanding of the three aims of the new mathematics curriculum?
- Do you have the knowledge, pedagogy and strategies to deliver the three aims through all the objectives in the curriculum?

This course is an opportunity for schools to ensure all their teachers have a good level of subject expertise to deliver the new national curriculum for mathematics.

*Delegates will*

- develop an awareness of how to create learning experiences that make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence
- explore fluency in the fundamentals of mathematics through increasingly complex problems
- increase their understanding of reasoning mathematically
- widen their experience of solving problems by applying mathematics to a variety of routine and non-routine problems.

<b>Date and Time:</b>	04/01/2016 from 9.30 am - 4.00 pm	
<b>Ref No:</b>	TLS-0116-T007	
<b>Venue:</b>	Norwich Professional Development Centre	
<b>Costs:</b>	Up to 4 delegates per school/partnership	£300
	Up to 8 delegates per school/partnership	£500
	Up to 12 delegates per school/partnership	£700
	Up to 16 delegates per school/partnership	£900
	Up to 20 delegates per school/partnership	£1000

For more information and to make a booking

 <http://s4s.norfolk.gov.uk/> or  [nieastraining@norfolk.gov.uk](mailto:nieastraining@norfolk.gov.uk)