



SUFFOLK & NORFOLK
School Centred Initial Teacher Training

Suffolk & Norfolk School Centred Initial Teacher Training

High quality teacher training in local schools



Mathematics Enhancement Courses 2017

Do you worry that your own knowledge of Maths isn't as strong as you would like? Would you feel out of your depth if asked to teach Maths to Secondary pupils? Do you just need to brush up on your knowledge and understanding of key mathematical concepts and topics? You may be looking to enhance your career with Maths as a second subject.

Suffolk & Norfolk SCITT offers you the opportunity to improve your Mathematics Subject Knowledge this summer whether you are a potential trainee, serving teacher, have a support role in school or just want to find out more about the Mathematics curriculum.

Each training day targets key knowledge and understanding for teaching or supporting lessons in Mathematics. The sessions will be lively and interactive with activities and strategies that can be taken back into the classroom.

"Superb...thank you for a great course"

"...excellent...many creative and new ideas to take away"

(Quotes from previous delegates)

Day 1	Wednesday 5th July 2017
Title	Mathematical processes and applications - the basic skills and problem solving.
Content	An introduction to functional, real-life maths – looking at a range of active and engaging classroom materials; developing problem solving and thinking skills in Maths. Approaches include: the four rules of adding, dividing, multiplication and subtraction; alternative methods including the marigolds of multiplication; The Durham Maths mysteries; fraction frames; accelerated learning techniques; using collaborative approaches for Maths; using a creative technique to developing thinking skills; effective questioning; assessment for learning.
Venue	Room W310, Waterfront Building, University of Suffolk, Ipswich

Day 2	Wednesday 12th July 2017
Title	Geometry and Measures
Content	An introduction to geometrical features with constructions and Loci; Pythagoras' theorem; trigonometry with right-angled triangles and trigonometry including non-right angled triangles. In this work we will also consider graphs, transformations and solving equations. This will involve elements of algebra from the top end of the GCSE Higher syllabus. We will consider the angle properties in shapes and around parallel lines; look at the four 2D transformations and investigate circles, sectors and segments including proof of the standard theorems.
Venue	Room W310, Waterfront Building, University of Suffolk, Ipswich

Day 3	Thursday 20th July 2017
Title	Data handling and a look at the New Curriculum for Maths
Content	Looking at measures of dispersion and charts from the GCSE syllabus including calculating mean median and mode, Interquartile Range and box and whisker plots; constructing and interpreting Cumulative Frequency graphs; sampling and data collection. Time will be spent exploring the new GCSE Maths curriculum content.
Venue	Room W310, Waterfront Building, University of Suffolk, Ipswich

Course times:

Each day begins at 9.15am and ends at 4pm. Tea and coffee will be provided on arrival and during the morning break. Attendees will need to make their own arrangements for lunch.

Costs:

Suffolk & Norfolk SCITT trainees: no charge.

Self-funded delegates: £90 per day or £230 for all three days.

Staff in Suffolk and Norfolk maintained schools: £80 per delegate or £200 for all three days.

Schools will need to meet any supply costs to release staff and may reimburse attendees for travel costs at their discretion. Should any delegate register for a course and then not attend, they will be liable for the full cost although a substitute attendee may be sent at no extra charge.

Course Tutor: Julia Smith

Julia is a GCSE Maths specialist, teacher training across the six counties of the Eastern Region and delivering inspiring Maths classes in primary, secondary and further education; an ACER Maths Subject Specialist; Maths author with Cambridge University Press, BBC GCSE Bitesize; Chair of Governors at Writtle College. Julia was a former Director of Maths in a Secondary school.

Follow Julia on Twitter: @tessmaths.

Booking details:

To book a place on these courses and find out information about car parking and other arrangements, please email: scitt.admin@suffolk.gov.uk or call us on 01473 265077.



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Suffolk & Norfolk School Centred Initial Teacher Training (SCITT) incorporates Primary SCITT Tuition and Salaried, Secondary SCITT Tuition and Salaried and an Assessment Only Route. Suffolk and Norfolk SCITT has gained a growing reputation as a high quality training provider. Recent Ofsted Inspections judged many aspects of training to be Outstanding.