



SNITT

Suffolk & Norfolk Initial Teacher Training

High quality teacher training in local schools



Mathematics Enhancement Courses 2012

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?

Suffolk and Norfolk Initial Teacher Training 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 some activities and strategies that can be taken back into the classroom.

'Superb...thank you for a great six day course'

'...excellent...many creative and new ideas to take away'
(Summer 2011 delegates)

Day 1 Mathematical processes and applications
and functional mathematics (Problem solving skills) Pt 1

Thursday 17 May 2012

An introduction to functional 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 including Tarsia puzzles; using a mini-whiteboard to developing thinking skills ; effective questioning; assessment for learning.

Venue: UCS (West Building) Ipswich*

Trainer: Julia Smith

Day 2 Mathematical processes and applications and functional mathematics
(Problem solving skills) Pt 2

Thursday 7 June 2012

Approaches include: Links to Personal Learning and Thinking Skills; dealing with disengaged maths learners; enthusing the unenthused; assessment within functional maths and helping to guarantee successful outcomes.

Venue: UCS (West Building) Ipswich*

Trainer: Julia Smith

Day 3 Geometry Part 1

Monday 18 June 2012

We will work on constructions and Loci; Pythagoras; 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.

Venue: UCS (West Building) Ipswich*

Trainer: Barbara Reid

Day 4 Geometry Part 2

Monday 25 June 2012

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: UCS (West Building) Ipswich*

Trainer: Barbara Reid

Day 5 Data handling

Monday 2 July 2012

We will look at measures of dispersion and charts from the higher GCSE syllabus including calculating Interquartile Range and Standard Deviation; constructing and interpreting Cumulative Frequency graphs; box plots; histograms and calculating regression lines.

Venue: UCS (West Building) Ipswich*

Trainer: Barbara Reid

Day 6 QTS Numeracy Test Preparation

Friday 6 July 2012

Aims: to explore a range of strategies for success in the QTS Numeracy test; to investigate a series of on-line support areas for practice of the skills and testing with

on-line sample exams; to identify personal areas of need within the maths topics tested, using tried and tested methods that will also be appropriate for functional maths development work with students in the classroom.

Venue: UCS (West Building) Ipswich*

Trainer: Julia Smith

*Venue:

- [University Campus Suffolk \(West Building\) Ipswich, Suffolk IP4 1QJ](#)

Course times: All courses begin at 9:15 and end at 16:00

Tea and coffee will be provided on arrival, at morning and lunch break but course attendees will need to make their own arrangements for lunch

Cost:

Suffolk & Norfolk ITT trainees: no charge

Self-funded delegates: £85 per day or £450 for all 6 days

Staff in Suffolk & Norfolk maintained Schools: £75 per delegate or £390 for all 6 days

- schools will need to meet any supply costs to release staff
- schools 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 but a substitution may be made at no extra charge

Course Tutors:

Barbara Reid

Barbara is an experienced Maths teacher working with pupils from KS3 to KS5. For the last two years she has been Teaching and Learning Adviser for Secondary Mathematics with Suffolk County Council. She is currently Maths Development Leader at Mildenhall College of Technology. Her hobbies include reading and riding, although not simultaneously!

Julia Smith

Julia works as Maths Leader at Parkside Pupil Referral Unit and GCSE Maths tutor for Colchester Institute. She is also Functional Maths Specialist Adviser for ACER (Association of Colleges in the Eastern Region). She currently sits on the Ofqual Review Panel for Functional Maths. Prior to this she was a Transforming Learning Adviser for the County. She has authored educational material and content for Braingames, Heinemann Publishing as well as working on the Standards Unit Maths materials.

To book a place on these courses, email Karen Burns at:

karen_i_burns@hotmail.co.uk

Or call 01502 560927



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Suffolk & Norfolk Initial Teacher Training incorporates Primary and Secondary School Centred Initial Teacher Training Programmes, Primary and Secondary Graduate Teacher Programmes and an Overseas Trained Teacher Programme. Suffolk and Norfolk Initial Teacher Training has gained a growing reputation as a high quality training provider. Recent Ofsted Inspections judged many aspects of training as Outstanding.