



**SNITT**

## **Suffolk & Norfolk Initial Teacher Training**

High quality teacher training in local schools



## **Science Enhancement Courses 2012**

**Do you worry that your own knowledge of Physics, Chemistry or Biology isn't as strong as you would like?** Would you feel out of your depth if asked to teach some aspects of Science to Secondary pupils? Do you just need to brush up on your knowledge and understanding of key scientific concepts and topics?

Suffolk and Norfolk Initial Teacher Training offers you the opportunity to improve your Science 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 Science curriculum.

**Each training day targets key knowledge and understanding for teaching or supporting lessons in Physics, Chemistry and Biology.** The sessions will be lively, interactive and practical with many activities and strategies that can be taken back into the classroom.

**'It was brilliant...'**

**'Many examples of good practical experiments to do in class.'**

**(Summer 2011 delegates)**

**Day 1 Biology – will cover key principles underpinning KS3**  
**Monday 9 July 2012**

The two Biology sessions will cover key principles underpinning KS3 Biology. This will include cells and aspects of microscopy, organ systems with emphasis on the respiratory, circulatory and digestive systems. The role of plants will be covered as producers in the food chain and how they manufacture food during photosynthesis. There will be practical experiences throughout including dissections.

**Venue:** Stoke High School, Ipswich\*

**Trainer:** Renee Riach

**Day 2 Biology – will cover key principles underpinning KS3**  
**Tuesday 10 July 2012 a.m. only**

The two Biology sessions will cover key principles underpinning KS3 Biology. This will include cells and aspects of microscopy, organ systems with emphasis on the respiratory, circulatory and digestive systems. The role of plants will be covered as producers in the food chain and how they manufacture food during photosynthesis. There will be practical experiences throughout including dissections.

**Venue:** Stoke High School, Ipswich

**Trainer:** Renee Riach

**Day 2 Physics – will cover key principles underpinning KS3**  
**Tuesday 10 July 2012 p.m.**

The two physics sessions will cover the key principles underpinning KS3 Physics. This will include electricity, energy, forces and light. There will be opportunities for hands on experience in using key equipment and reviewing how to carry out common demonstrations and experiments used in the classroom.

**Venue:** Stoke High School, Ipswich

**Trainer:** Heather Anderson

**Day 3 Physics – will cover key principles underpinning KS3**  
**Wednesday 11 July 2012**

The physics session will cover the key principles underpinning KS3 Physics. This will include electricity, energy, forces and light. There will be opportunities for hands on experience in using key equipment and reviewing how to carry out common demonstrations and experiments used in the classroom.

**Venue:** Stoke High School, Ipswich

**Trainer:** Heather Anderson

**Day 4 Chemistry – will cover key principles underpinning KS3**  
**Thursday 12 July 2012**

The two chemistry sessions will cover the key principles underpinning KS3 Chemistry. Participants will start with particles and explore how early scientists first suggested these theories. A clear picture of elements, compounds and mixtures will lead delegates to start to develop an understanding of chemical change. Moving on to chemical reactions participants will explore the chemistry of acids. They will also have the opportunity to look at how exciting demonstrations can be carried out safely.

**Venue:** Stoke High School, Ipswich

**Trainer:** Sue Reeve

**Day 5 Chemistry – will cover key principles underpinning KS3**  
**Friday 13 July 2012 a.m. only**

The two chemistry sessions will cover the key principles underpinning KS3 Chemistry. Participants will start with particles and explore how early scientists first suggested these theories. A clear picture of elements, compounds and mixtures will lead delegates to start to develop an understanding of chemical change. Moving on to chemical reactions participants will explore the chemistry of acids. They will also have the opportunity to look at how exciting demonstrations can be carried out safely.

**Venue:** Stoke High School, Ipswich

**Trainer:** Sue Reeve

**\*Venues:**

Stoke High School, Maidenhall Approach, Ipswich, Suffolk IP2 8PL

**Course times:** All courses begin at 9:00 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, £45 per half day or £340 for all 4.5 days

Staff in Suffolk & Norfolk maintained Schools: £75 per day, £40 per half day or £300 for all 4.5 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**

**Renee Riach**

Renee is an ex-head of department and an experienced biologist. She currently develops and runs the science training programme for Secondary SCITT including the science subject enhancement programme. She has been an associate tutor with the UEA leading some of their science training sessions including the TDA funded biology booster sessions.

**Heather Anderson**

Heather is a Head of Science and a specialist in physics and chemistry. She also has whole school responsibilities for timetabling and cover.

As well as being an assistant examiner for OCR she has been involved with training students for many years and led Physics enhancement courses.

**Sue Reeve**

Sue is currently an Assistant Head Teacher, Director of Science and Technology and a chemistry specialist. She has been involved with Secondary SCITT since it began, firstly as a Science Subject Leader and then as a part of the management team. She is an experienced trainer and continues to deliver the chemistry aspects of the SCITT course.

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

[karen\\_i\\_burns@hotmail.co.uk](mailto:karen_i_burns@hotmail.co.uk)

Or call 01502 560927



**SNITT**

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.