

# STEM courses

## Face-to-face training in Norfolk & Suffolk

Each KS3 & KS4 course is £200 each for maintained schools

There is a TRP (Teacher Release Payment\*) of 70% for maintained schools in Norfolk and Suffolk, therefore just **£60**

**NEW  
VENUE**

**CHANGE OF VENUE**

If you have any queries, please contact: [smaschas@tgschool.net](mailto:smaschas@tgschool.net)

### Key Stage 3 series - Northgate High School - IPSWICH

#### Maths and Practical skills KS3 - 17th June

**Northgate High School - Sidegate Lane, Ipswich, IP4 3DL 0930 - 1530.**

This day considers how to teach effectively, and why we teach, a range of skills in science. The skills will be exemplified using key stage 3 materials. They include: - rearranging simple equations, decimal places, significant figures, standard form and - drawing high-quality tables, accurate graph drawing, and gradients.

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/535759/maths-and-practical-skills-ks3>

**TO BOOK WITH A TRP:** Please contact [smaschas@tgschoo.net](mailto:smaschas@tgschoo.net)

#### Physics KS3 - 18th June

**Northgate High School - Sidegate Lane, Ipswich, IP4 3DL 0930 - 1530.**

This day will include practical activities, subject knowledge and we will consider how to teach some topics, including:

- misconceptions within forces, motion and energy
- making waves and spaces interactive and memorable.

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/535760/physics-ks3>

**TO BOOK WITH A TRP:** Please contact [smaschas@tgschoo.net](mailto:smaschas@tgschoo.net)

#### Chemistry for Key Stage 3 - 19th June

**Northgate High School - Sidegate Lane, Ipswich, IP4 3DL 0930 - 1530.**

Designed to support non-specialist teachers this day will support you to plan and teach Chemistry for KS3. The day will include practical activities and essential KS3 Chemistry subject knowledge with a more in-depth focus on

- Common misconceptions in KS3 Chemistry
- Teaching approaches that enhance the students understanding of Chemistry to include molecular modelling with molymods.
- Atomic structure and bonding - how to use a periodic table!

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/535775/chemistry-ks3>

**TO BOOK WITH A TRP:** Please contact [smaschas@tgschoo.net](mailto:smaschas@tgschoo.net)

#### Biology for Key Stage 3 - 20th June

**Northgate High School - Sidegate Lane, Ipswich, IP4 3DL 0930 - 1530.**

Designed to support non-specialist teachers this day will help you to plan and teach Biology for KS3. The day will include practical activities and essential KS3 Biology subject knowledge with a more in-depth focus on

- Common misconceptions in KS3 Biology.
- A more in depth focus on Microscopy.
- Teaching approaches that enhance students understanding of Biology to include stop motion modelling and role plays.

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/535781/biology-ks3>

**TO BOOK WITH A TRP:** Please contact [smaschas@tgschoo.net](mailto:smaschas@tgschoo.net)



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# Key Stage 4 series - Thorpe St Andrew

**Science / Maths Joint Numeracy Policy for GCSE and A level -**

**Thorpe St Andrew, Laundry Lane, Norwich NR7 0XS**

There are many topics and skills taught in schools where Maths and Science are complementary, but there also areas where the departments may take different approaches or use alternative language. These include: graph interpretation, rearranging formulae, significant figures,  $y = mx + c$ , and more.

In this session we will look at techniques where schools have been successful in working together, to the benefit of both departments. We will aim to:

- draft a joint departmental policy using the template provided;
- engage with a number of short teaching ideas from tutors Alan Denton and Paul Hammond;
- discuss best practices for teaching some mathematical skills used in science lessons.

Schools should aim to bring a member from both the Science and Maths departments, to jointly create a comprehensive draft policy ready to take back to both departments for discussion and - hopefully - sign off!

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/535927/science-maths-joint-numeracy-policy-gcse-and-level>

**TO BOOK WITH A TRP:** Contact [smaschas@tgschool.net](mailto:smaschas@tgschool.net)

## The Big D&T Meet -12th July

**University of East Anglia, Norfolk, NR4 7TJ - 09.00 - 1600**

**Suitable for all DT teachers and Technicians including Textiles, Engineering, Food, and DT**

Invigorate your D&T teaching with a packed programme to support you at whatever stage of your career you are at. This conference is designed with departments in mind.

Spend the day getting hands-on in workshops as well as listening to speeches from experts in Design & Technology education. With a programme of over 30 speakers available, this is THE D&T CPD of the year!

Please contact [smaschas@tgschool.net](mailto:smaschas@tgschool.net) to be booked on.

**FURTHER INFORMATION:** <https://www.stem.org.uk/cpd/533748/big-dt-meet-national-conference>

**£100 includes entry, lunch and parking for up to 5 staff.**

**First teacher needs to register on STEM and book through the link, additional teachers must also register on STEM then contact [smaschas@tgschool.net](mailto:smaschas@tgschool.net) to be booked on with a special discount code.**

**[Register on STEM here](#)**

**Registering is quick and free. if you have any problems registering, please email stem support.**

**Non-school attendees £100 per ticket - Lunch, tea/coffee included + parking. You will also need to register on STEM [Register on STEM here](#)**

**TRP\* Teacher Release Payments of £140 will be paid to schools once the member of staff has completed the CPD, making the actual cost to the schools only £60 per delegate per day.**

**The TRP MUST be mentioned at the booking stage to qualify ~ Thank you**



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