



# Greater Peterborough Teaching School Alliance



## Teacher Subject Specialism Training at Arthur Mellows Village College Physics (Key Stage 3 and Key Stage 4)



**Are you a qualified teacher delivering Physics in addition to your main specialism?**

**Are you from a different phase of education but would like to be able to teach secondary Physics?**

**Have you taken a career break and wish to return to teaching?**

**If you have answered 'yes' to any of the above then this programme could be for you.**

**To register your interest and request an application form, please contact:**

**Roger Watson: [tsst@arthurmellows.org](mailto:tsst@arthurmellows.org) Tel: 01733 252235**

**Please note places are limited and will be offered on a first come, first served basis with a maximum of 20 places (following successful application completion).**

**For further details please see over.**

This free Training Programme is open to all qualified teachers who are teaching outside of their specialism or teachers without qualified teacher status teaching in academies.

For full participant eligibility please see the following website for details:

<https://www.gov.uk/guidance/teacher-subject-specialism-training-courses>

Participating teachers will receive a training programme that offers a range of support beyond the core sessions.

### Structure and Programme Delivery

The programme will run across seven, 4 hour face-to-face sessions focusing on the seven main areas of the Physics Curriculum at Key Stage 3 and Key Stage 4; with interim reading, practice and assessment tasks to support learning.

The sessions will be based on reviewing and updating participants' Physics knowledge with specific application to teaching in the classroom, e.g. highlighting common misconceptions, tools and tricks for advancing students' understanding and the use of practical's to enhance learning.

Participants will take part in practical activities to enhance their understanding, develop an understanding of how students experience practical sessions and learn how to troubleshoot effectively during practical lessons.

Participants will be expected to use differentiated materials provided between sessions to build up skills and to complete a reflective journal tracking their own progress and setting personal learning targets. IOP diagnostic tests will be used pre and post session for evaluation of progress.

Mode of delivery and programme	Subject area					
	Energy	Motion & Forces	Waves	Electricity & electromagnetism	Matter & Space	Other, if any, specified below:
Face to Face (Presentations, lectures, guided group tutorial work with tutor present)	1 hour (Will also tie in to other areas)	90mins	90mins	90mins	90mins matter 1 hour space	Fields (will tie into Electricity and magnetism) 90 mins
Practical (Hands on use of apparatus working individually or small groups. Observation of demonstrations is not deemed to be practical work)	1 hour	90 mins	90 mins	90 mins	90 mins matter, 1 hour space	90 mins
Coaching/ Mentoring (One to one or small group sessions involving coaching, mentoring or allied techniques led by an experienced practitioner.)	Up to 4 hours per participant, spread across whole course.					
Monitored independent learning (e.g. online tutorial work)						
Other modes (please specify below)	Small group work 30 mins  Self assessed and tutor marked assignments  1 hour	Small group work 60 mins  Self assessed and tutor marked assignments  2 hours	Small group work 60 mins  Self assessed and tutor marked assignments  2 hours	Small group work 60 mins  Self assessed and tutor marked assignments  3 hours	Small group work 120 mins  Self assessed and tutor marked assignments  2 hours	Small group work 60 mins  Self assessed and tutor marked assignments  2 hours
<b>Total hours</b>	7.5	6	6	7	9	6

## What are the benefits:

- Schools will enhance their provision for Physics by developing their teachers' knowledge and skills.
- Participants will have a personalised plan both during the course and afterwards, to ensure continual Professional Development.
- Participants will continue to improve their subject knowledge and pedagogy for teaching Physics up to GCSE.
- Participants will improve the learning of Physics topics for students and enhance the learning experience.
- Participants will improve progress in Physics and access to higher levels of Physics education for students.
- Participants will have access to a variety of resources that provide the challenge and stretch for all students.
- Participants will be brought up to date with the latest demands for the reformed Physics curriculum at KS4.

## Provisional Course Dates

(1:30pm to 5:30pm):

**Session 1:** Monday 19 November 2018

**Session 2:** Wednesday 5 December 2018

**Session 3:** Monday 21 January 2019

**Session 4:** Monday 25 February 2019

**Session 5:** Wednesday 27 March 2019

**Session 6:** Monday 29 April 2019

**Session 7:** Wednesday 22 May 2019

All sessions will take place at Arthur Mellows Village College, Peterborough.

### Facilitator:

Tim Bold

GPTSA Physics SLE and Member of IOP

School based Physics Coach

If you would like more information or to register an interest for this programme please contact:

Roger Watson [tsst@arthurmellows.org](mailto:tsst@arthurmellows.org) at Arthur Mellows Village College

Tel: 01733 252235

**Closing date for applications: Monday 12 November 2018.**

Funding given to schools to either use towards 20 Masters Credits or to use towards release time and support in schools.

Our Physics TSST programme is in the process of gaining accreditation by the Institute of Physics (IOP) enabling GPTSA to certificate all delegates with an IOP community accredited award at the end of the course.