
Realise potential
Achieve excellence
Broaden opportunity

TSST Physics
Redditch, Birmingham
& Warwickshire
2020-21

RSA

Teaching Schools Alliance

rsaacademieteachingschool.org.uk
enquiries@rsaatsa.org.uk



National College for
Teaching & Leadership



MATTHEW PURSLOW

Director of Teaching Schools

Our TSST Providers



Who are the RSAA Teaching Schools?

The RSA Academies' Teaching Schools recruit and train new entrants to the teaching profession, identify leadership potential, and provide support for schools across the West Midlands to transform outcomes for young people and bring about positive social change.

Our mission is to recruit, develop and retain exceptional professionals by offering leading edge, initial teacher training across our diverse family of schools. We are committed to realising potential, achieving excellence and broadening opportunity across all aspects of the teaching school alliance.

Our Teaching Schools are led by exceptional schools across all phases of education, three of which are designated National Teaching Schools, who have overall responsibility for the quality assurance and management of all programmes. Our extended RSA family takes us to nine schools collaboratively and our partners/alliance members number in excess of 42 academic and educational institutions ranging from primary schools through to universities.

TSST - an introduction

July 2020

Dear Headteacher/Leader of CPD,

There is a huge shortage of specialist Physics teachers across the United Kingdom. In addition, The Science Curriculum has been adapted to include more rigour and challenge across all key stages. These changes have resulted in schools deploying non-specialist teachers to teach the Physics curriculum to overcome the shortage of teachers. However, many of the non-specialist teachers lack the subject knowledge and pedagogy to teach Physics to a high standard.

RSA Academies' Teaching School Alliance has looked at these challenges and has devised a FREE course to QTS qualified teachers. The course will be delivered in Redditch by RSA Arrow Vale. There will be six twilight sessions, where participants will be given a unique opportunity to focus on Physics pedagogy and delivery. They will also be given the opportunity to observe outstanding teachers where strategies to inspire, motivate and engage learners will be shared. All resources to assist with the teaching and learning of Physics will be made available throughout the course. In addition, participants will have access to online learning modules to further practice and develop their subject knowledge.

The course is **fully funded** and **accredited** by Birmingham City University (BCU) as well as the RSA (Royal Society of Arts); there are options to complete a reflective writing module, which will allow participants to gain 20 master's credits.

We can accept as many non-specialist QTS teachers from your institution however; there are only a limited number of places. The places will be allocated on a first come first serve basis, therefore, to avoid disappointment please forward and ask interested parties to book via our website (see below) or email mpurslow@rsaatsa.org.uk and register as soon as possible.

Website: www.rsaacademiesteachingschool.org.uk

Yours sincerely



Matthew Purslow

Director of RSA Academies' Teaching School Alliance

How long is the course?

The course consists of a series of six twilight sessions throughout the academic year.

What are the online modules?

We are partnered with the Institute of Physics (IOP). The centre has a number of years' experience in providing subject knowledge enhancement to people wanting to teach physics. They provide you with a unique login to their website where you will work through lessons and complete tests. The Physics is broadly KS3, KS4 & KS5. The content of the courses ensures you have the necessary subject knowledge required for the new science curriculum.

What happens during these sessions?

Twilight sessions will take place throughout the year at RSA Arrow Vale where we will look at elements of physics and pedagogy; considering what makes a good physics lesson, what techniques work best, what constitutes good explanation and how students acquire scientific understanding.

What accreditation does the course provide and how is it assessed?

On completion of the six training sessions, you will obtain a RSA TSA TSST Physics Certificate.

Masters Credits (optional)

You will complete one written assignment, a series of lesson reflections (on your own practice and observations of others) to gain the additional Masters Credits. This will be discussed further in the introductory meeting.

So is all this really free? Yes! The RSA Teaching Alliance has secured funding to run this course so we can provide it **completely free of charge.**

RSA Academies' Teaching Schools
Meet the TSST delivery team

Maths—Birmingham & Redditch

John Barratt

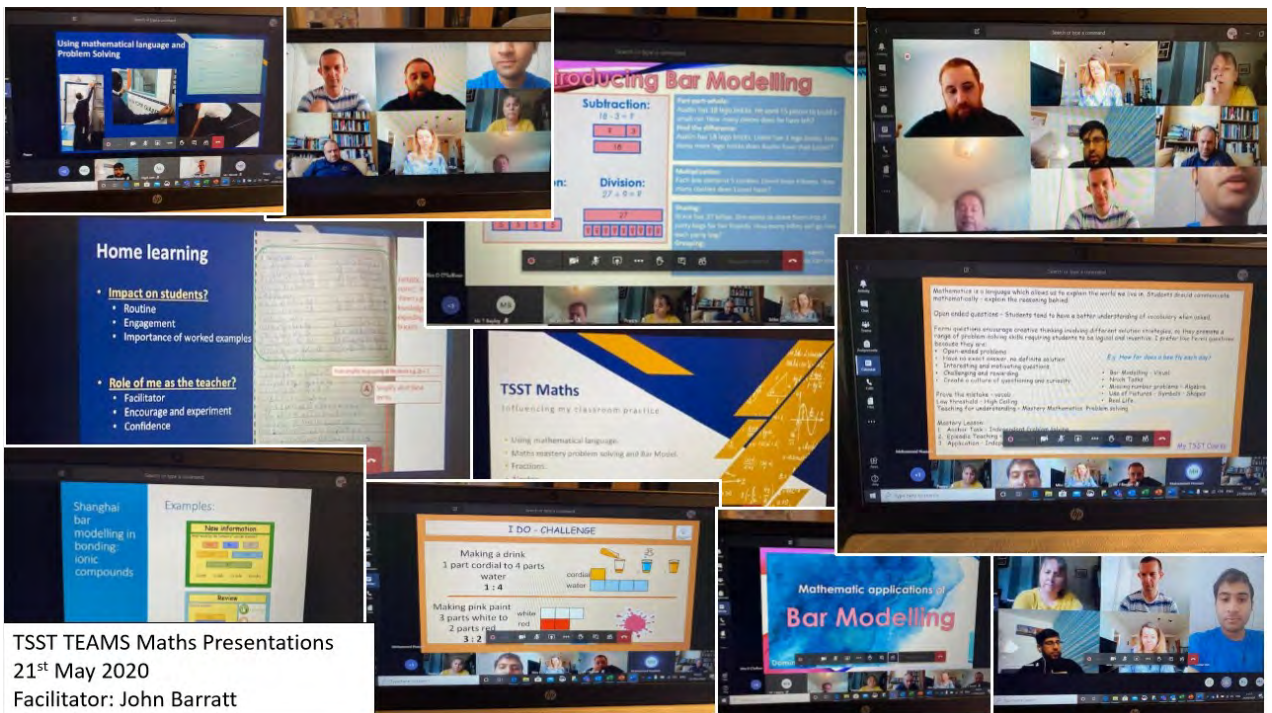
jbarratt@arrowvaleacademy.co.uk



Physics—Birmingham & Redditch

Nicky Thomas

nthomas@arrowvaleacademy.co.uk



TSST TEAMS Maths Presentations
21st May 2020
Facilitator: John Barratt

National Teaching School
designated by



National College for
Teaching & Leadership

RSA Academies' Teaching Schools

TSST—Course Outline

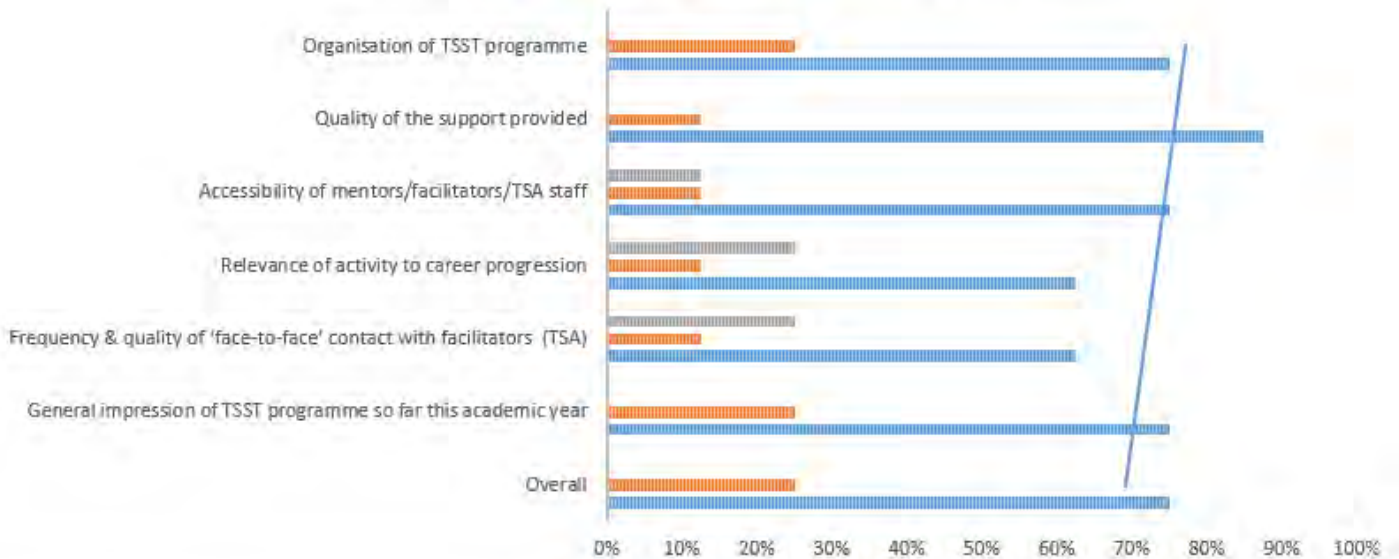
Teacher Subject Specialism Training (TSST) Physics (FREE)		
Brief Overview:	<p>This course will enhance the physics subject knowledge, pedagogy and skills of teachers by encouraging them to look at the big picture, linking and developing key ideas and concepts.</p> <p>It will help delegates develop secure subject knowledge, identify common student misconceptions and effective strategies to address these, and deliver successful practical activities to help their students develop a sound understanding of fundamental concepts.</p> <p>Some sessions will focus on approach and pedagogy rather than content, for example maximising learning from practical work.</p> <p>Other sessions concentrate on areas, which form the backbone of physics teaching in school, particularly for non-specialists, for example energy.</p>	
Facilitators:	Name	School
	Nicky Thomas IoP Physics Coach, MInstP, CPhys	RSA Arrow Vale
Who is it suitable for:	Non-specialists in middle schools and secondary schools teaching Key Stages up to Physics GCSE (Higher); teachers returning after a career break.	
What is the intended impact for you? What will you take away with you? e.g. resources, learning points etc.	<p>Improved understanding of physics pedagogy at secondary level; extended subject knowledge and skills.</p> <p>Improved physics teaching enabling non-specialists to teach physics in a secondary environment with greater confidence.</p>	
Tel & Bookings:	01527 357324 enquiries@rsaatsa.org.uk	
Costs:	FREE	

Sessions	Date	Venue	Brief Outline
Session 1	15th October 2020 2pm-5.30pm	RSA Arrow Vale/ TEAMS (as per DFE guidance)	Introduction and needs assessment, overview of challenges when teaching physics
Session 2	11th November 2020 2pm-5.30pm		Approaches and strategies for teaching energy
Session 3	10th December 2020 2pm-5.30pm		Approaches and strategies for teaching forces and motion
Session 4	21st January 2021 2pm-5.30pm		Approaches and strategies for teaching electricity & electromagnetism
Session 5	24th February 2021 2pm-5.30pm		Approaches and strategies for teaching waves and radiation
Session 6	17th March 2021 2pm – 5.30pm		Approaches and strategies for teaching matter and space; Final review and reflection



RSAA TSA MATHS BHAM TSST FEEDBACK 2019-20

■ Satisfactory
 ■ Good
 ■ Excellent
 — Linear (Excellent)





Holyhead

engage | educate | enable

