
Realise potential
Achieve excellence
Broaden opportunity

TSST Maths
Birmingham
& Redditch 2020-21

RSA

Teaching Schools Alliance

rsaacademiesteachingschool.org.uk
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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.

July 2020

Dear Headteacher/Leader of CPD,

There is a huge shortage of specialist mathematics teachers across the United Kingdom. In addition, The National Mathematics 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 mathematics curriculum to overcome the shortage of mathematics teachers. However, many of the non-specialist teachers lack the subject knowledge and pedagogy to teach mathematics to a high standard.

RSA Academies' Teaching Schools have looked at these challenges and have devised a FREE course to QTS qualified teachers. The course will be delivered in Redditch by RSA Arrow Vale and in line with government guidance, some elements may be remotely conducted to ensure compliance with social distancing guidelines. There will be five twilight sessions and one whole day at school (subject to government guidance and discretion of individual schools), where participants will be given a unique opportunity to focus on the mathematical 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 mathematics 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

How long is the course?

The course 2020-21 consists of five twilight sessions and one whole day in school. It is spread over a period of six months. In that time you will complete online modules on subject knowledge enhancement and one whole day in school to include training and lesson observations.

What are the online modules?

We are partnered with the Centre for Innovation in Mathematics Teaching (CIMT) at Plymouth University. The centre has a number of years' experience in providing subject knowledge enhancement to people wanting to teach mathematics. They provide you with a unique login to their website where you will work through lessons and complete tests. The mathematics is broadly KS2, KS3 and KS4. The content of the courses ensures you have the necessary subject knowledge required for the new mathematics curriculum.

What happens during the twilight sessions?

Twilight sessions will take place throughout the year at RSA Abbeywood Teaching School where we will look at elements of mathematics and pedagogy; considering what makes a good maths lesson, what techniques work best, what constitutes good explanation and how students acquire mathematical understanding.

What happens during the whole day session?

You will spend one day at RSA Arrow Vale where you will have the opportunity to see great maths lessons in action, collaborate and converse with leading practitioners and hopefully gain lots of ideas to take back with you.

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

On completion of the training days, whole day, and any associated online subject knowledge modules, you will obtain a RSAA Teaching Schools certificate in TSST Mathematics.

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 RSAA Teaching Schools have secured funding to run this course, so we can provide it **completely free of charge.**

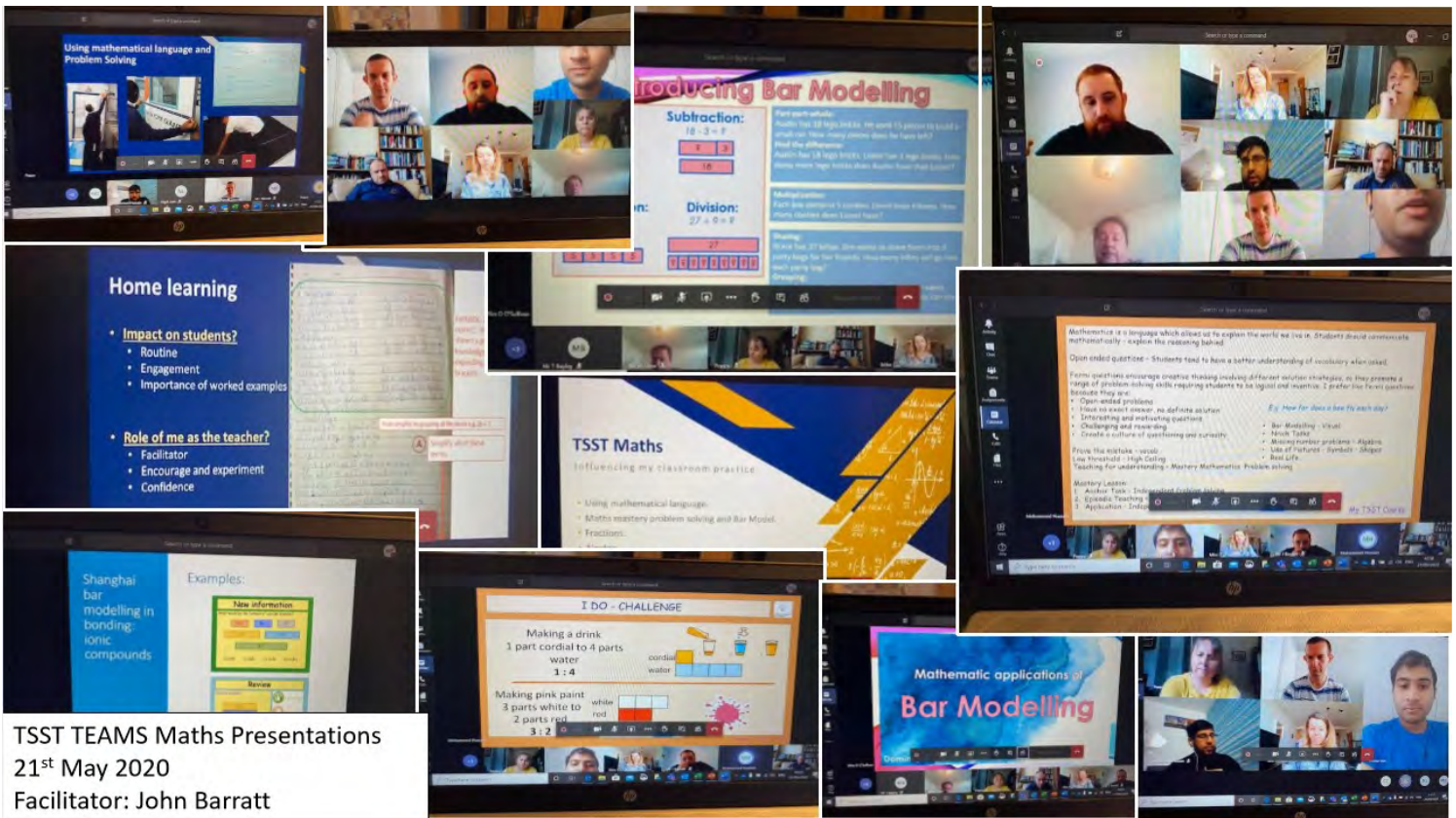
Maths—Birmingham & Redditch

John Barratt

KS4 Lead for Maths

RSA Arrow Vale

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

National Teaching School
designated by



National College for
Teaching & Leadership

Teacher Subject Specialism Training (TSST) Maths (FREE)

Brief Overview:	<p>The course allows delegates time to consider how to approach and think about mathematics, encouraging them to 'think mathematically'. Some sessions will focus explicitly on this and develop approach and pedagogy rather than content.</p> <p>Other sessions concentrate on particular areas, which form the backbone of mathematics teaching in a school environment, particularly for non-specialists – i.e. number and algebra. These topics are in no way suggested to be the only 'important' ones, but by focusing in detail on the topics of patterns, algebra and fractions, whilst continually fostering 'mathematical thinking'; participants' knowledge of other applied topics will develop in confidence and translate to success in pupil outcomes.</p>	
Facilitators:	Name	Venue
	John Barratt (SLE Mathematics, RSA Arrow Vale)	Abbeywood Teaching School, Redditch TEAMS (Social distancing guidelines)
Who is it suitable for:	Non specialists in primary/middle/secondary schools teaching mathematics up to foundation GCSE level	
What is the intended impact for you? What will you take away with you? e.g. resources, learning points etc.	<p>Improved understanding of mathematical pedagogy at KS3-4 level.</p> <p>Understanding of transferable mathematical teaching skills</p>	
Tel:	01527 357324 enquiries@rsaatsa.org.uk	
Costs:	FREE	

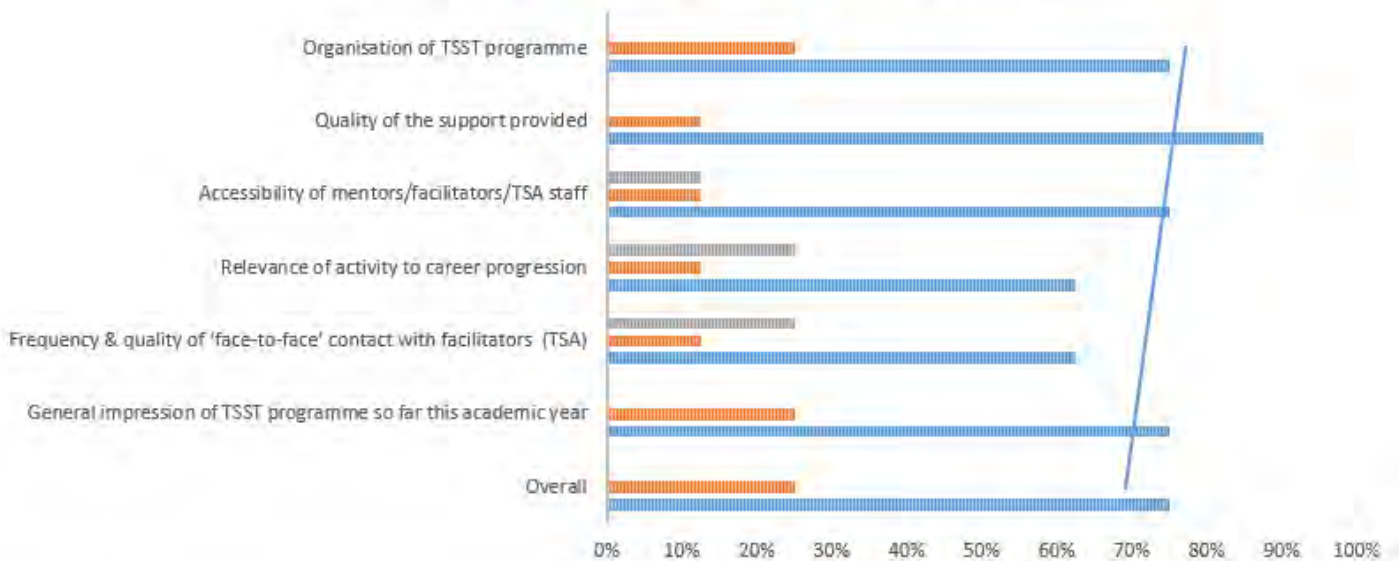
Sessions	Date	Venue	Brief Outline
Session 1	14 th October 2020 4-6.30pm	RSA Abbeywood/ TEAMS	Introduction /
Session 2	4th November 2020 4-6.30pm	RSA Abbeywood	Mathematical Language, how and why should students communicate mathematically?
Session 3	25th November 2020 4-6.30pm	RSA Abbeywood	Maths Mastery Problem Solving, Shanghai style teaching: Bar Model
Session 4	3rd February 2021 4-6.30pm	RSA Abbeywood	What is a fraction, and why are fractions important? Understanding, applying, and visually representing fractions.
Session 5	24th March 2021 4.30-6.30pm	RSA Abbeywood	How should algebra be introduced and then developed? Exploring activities to develop a teaching tool-kit to support teaching algebra across varying levels. Probability, what resources are available
	Immersion Day		School experience day. Presentation of LR celebration, awards and certificates.

RSA Academies' Teaching Schools TSST Feedback



RSAA TSA MATHS BHAM TSST FEEDBACK 2019-20

■ Satisfactory
 ■ Good
 ■ Excellent
 — Linear (Excellent)





Holyhead
Teach What Matters

