

Deep Learning Mathematics CPD Offer (Primary) 2019-2020



Deep Learning TSA is pleased to offer a broad range of mathematics support for primary schools in the academic year 2019/2020.

Please get in contact with us at deeplearningtsa@gmail.com if you have any queries.

Booking course places

For any booking requests please go to www.deeplearningtsa.co.uk and head to the course information and bookings area.

If you have any questions or want a further discussion, please do not hesitate to e-mail:

- **Mark Cotton (Principal):** mcotton@ourladyofpity.co.uk
- **Andy Ash (Director of Teaching School Alliance):** aash@ourladyofpity.co.uk
- **Fiona McCrudden-Bruce:** fmccrudden-bruce@ourladyofpity.co.uk

Venues and Dates

The majority of CPD opportunities will be running at regular points throughout the year. For full details of these please visit www.deeplearningtsa.co.uk or e-mail us to ask us for a full calendar of events.

Mathematics CPD Offer

Using a High Quality Textbook – ‘top-up’ package

Many schools have already done a significant amount of work on teaching for mastery and utilising a high quality textbook. However, we know from research into teachers’ continuing professional development that the key to success is in the first word - ‘continuing’! Studies show that, in the UK, we have a poor track record of providing on-going opportunities for our teachers to develop and that is why we are offering this support.

This CPD package is for those teachers and schools who have already done a lot of work to develop their practice and would like to keep things moving forward.

What is on offer?

A full review of mathematics in your school – This is led by one of our senior specialists, working alongside the maths lead and/or the head teacher. The exact make up of the review is negotiable but many schools like to conduct a learning walk followed by a book scrutiny.

Y2 preparation for moderation and SATs – Up to two teachers from each school attending one full day in the Autumn term and a half-day in January.

Y6 preparation for SATs - Up to two teachers from each school attending one full day in the Autumn term and a half-day in January.

Subject leader updates – Three half-day sessions across the year where we look at the most cutting edge and critical issues surrounding teaching for mastery and using a textbook.

Head teacher updates – Three half-day sessions across the year where we look at key issues that head teachers need to grapple with in order to effectively raise mathematics standards in their schools.

Lesson study sessions – The opportunity to send two teachers to lesson study sessions at any point throughout the year.

Cost: £1,096 per school

Core Training – Using a High Quality Textbook

With the DfE having now approved two high quality textbooks (Maths No Problem! and Power Maths) many schools are seeking to adopt these resources as a supportive tool for their teachers. This core training package is aimed at schools who are relatively new to this and want to kick start the process so that the best chances of success can be assured.

The Deep Learning team have extensive experience, having worked with large numbers of schools across the country. They are class-based practitioners. We have a particular expertise in supporting schools wishing to utilise a high quality textbook and you can find some of the research we have conducted here:

<https://www.sciencedirect.com/science/article/pii/S0742051X1731274X>

This option is for those schools that only wish to book teachers onto the core training and nothing else.

Primary Core Day 1 and 2 – Exploring the principles of teaching for mastery and how to use a high quality textbook.

Primary Core Day 3 – Embedding the mastery principles and delving deeper into planning and assessment using a textbook.

Cost: £330 (£110 per delegate per day)

One Day Core ‘Refresher’ Training - Using a High Quality Textbook

We all need a refresher at some point or another! Schools who have invested heavily in CPD for their teachers invariably benefit from opportunities to revisit core principles. One way of doing this is to provide teachers with a one-day course to refresh their understanding of teaching for mastery. Through reflection and new content, they will have the opportunity to deepen their understanding and return to school with fresh ideas.

Cost: £110 per delegate

Year 2 Preparation for Moderation and SATs Using a Textbook

Start with the end in mind! We know that pupils' journals are an excellent source of evidence for moderation, both in maths and writing. They provide us with a detailed insight into pupils' thought processes and enable us to deliver accurate judgments (in tandem with maths practice books). This course provides Y2 teachers with time to reflect on the year ahead and make the appropriate plans for tests and (possible) moderation. A full day of training in September is followed by a half day in January.

Cost: £170 per delegate (this is a one and a half day course)

Year 6 Preparation for SATs Using a Textbook

The demands of the KS2 maths tests continue to challenge both pupils and teachers. Implementing a mastery approach is one part of the solution and teachers often comment on how this has positively affected their pupils and the way in which they perceive maths. Teachers also say that more is needed in Y5 and Y6 to best prepare pupils for the rigour of the tests. This two-part course allows teachers the time to reflect on their practice, the tests themselves and how to prepare for the year ahead. A full day of training in September is followed by a half day in January.

Cost: £170 per delegate (this is a one and a half day course)

Subject Leader Updates

These are three half-day sessions across the year where we look at the most cutting edge issues surrounding teaching for mastery and using a textbook. In previous years we have spent time with leaders looking at school policies, moderation, ensuring precise planning and teaching problem solving effectively.

Cost: £180 per delegate (this is three half days throughout the year)

Head Teacher Updates

These are three half-day sessions across the year where we look at key issues that head teachers need to grapple with in order to best drive up mathematics standards in their schools.

Cost: £180 per delegate (this is three half days throughout the year)

Teaching Assistants and Textbooks

When used appropriately, a high quality textbook can be a very useful resource for teaching assistants who are often there to support our most vulnerable pupils. This one-day course is designed to help teaching assistants understand the principles of teaching for mastery in a practical way so that they are better equipped to support pupils.

Cost: £80 per delegate

Developing High Quality Mathematical Evidence – Journal Writing (half-day workshop)

Adopting a mastery approach means looking for evidence of high quality mathematical thinking in books. This half-day workshop will focus on practical strategies for teachers to use that will enable a greater amount of depth to be evidenced in books. In particular, we will look at the evolution of mathematical journal writing and how this should and could be used so that gains in pupils' learning can be maximised.

Cost: £60 per delegate

Using a High Quality Textbook – Core Training Package

With the DfE having now approved two high quality textbooks (Maths No Problem! and Power Maths) many schools are seeking to adopt these resources as a supportive tool for their teachers. This core training package is aimed at schools who are relatively new to this and want to kick start the process so that the best chances of success can be assured.

The Deep Learning team have extensive experience, having worked with large numbers of schools across the country. They are class-based practitioners. We have a particular expertise in supporting schools wishing to utilise a high quality textbook and you can find some of the research we have conducted here:

<https://www.sciencedirect.com/science/article/pii/S0742051X1731274X>

What is on offer?

From our work with other primary schools, we now know the essential ingredients that must be in place for a textbook to be utilised effectively by schools. Within this core package, we have adhered to the Teacher Development Trust's CPD principles by offering a variety of training and in-school classroom support.

Primary Core Day 1 and 2 – Exploring the principles of teaching for mastery and how to use a high quality textbook.

Primary Core Day 3 – Embedding the mastery principles and delving deeper into planning and assessment using a textbook.

In-school SLE support – Teachers working alongside SLE in real lessons to team-teach and coach. The number of these sessions depends on your requirements. These can be arranged at mutually convenient times (our SLE team are also full-time class teachers!)

Cost:

This package includes significantly reduced rates for the training days to encourage take up of the SLE support that has significant impact. Please see over-leaf for a full cost breakdown.

Using a High Quality Textbook – Core Training Package Prices

	
Basic Training Maths Package Prices (Individual schools)	
One teacher - Total Cost	£490
<ul style="list-style-type: none"> • 3 training days • 1 morning with SLE 	
Two teachers - Total Cost	£980
<ul style="list-style-type: none"> • 3 training days • 2 mornings with SLE 	
Three teachers - Total Cost	£1,220
<ul style="list-style-type: none"> • 3 training days • 2 mornings with SLE 	
Four teachers - Total Cost	£1,710
<ul style="list-style-type: none"> • 3 training days • 3 mornings with SLE 	
Five teachers - Total Cost	£2,200
<ul style="list-style-type: none"> • 3 training days • 4 mornings with SLE 	
Six teachers - Total Cost	£2,440
<ul style="list-style-type: none"> • 3 training days • 4 mornings with SLE 	

SLE support with Deep Learning TSA

Bespoke SLE Support (including EYFS)

We have a wide range of SLE who can meet the varying needs of primary schools in all areas. This includes schools that use MNP or Power Maths textbooks, White Rose schemes or any other mastery based resource. This might be anything from classroom-based coaching to support with lesson planning or preparation for national tests. Please see our SLE pen-portraits for detail of all our SLE and do not hesitate to get in touch if you would like some support.

Cost: £250 per morning or £350 for a full day

Who Are Our Maths SLE?

Joanne Harvey

Joanne has been a teacher working in the Early Years Foundation Stage for over 17 years and is currently the EYFS lead at Bedford Drive. She has significant expertise in all areas of EYFS provision and is currently part of the leadership team for the flagship Cheshire and Wirral Maths Hub EYFS programme. She has a lot of experience working with other schools including conducting learning walks, coaching in the classroom, supporting teachers with planning and leading lesson studies.

Emma Grannell

Emma has significant experience in developing a mastery approach in mathematics and is now one of the Cheshire and Wirral Primary Mastery Specialists. As an SLE Emma has worked with large numbers of other schools helping them to specifically develop textbook based pedagogy. Her particular areas of expertise are using a high quality textbook, classroom coaching, lesson study focussing on mastery principles and year 2 moderation and SATs preparation.



Maria Chambers

Maria is the Maths Subject Lead and assistant head at St George's Primary School. As a Primary Mastery Specialist with the Cheshire and Wirral Maths Hub she has significant experience working with other schools to support them in developing teaching for mastery. Maria also co-leads the Wirral Mathematics Subject Leader Network and supports the Maths Hub with a variety of other projects. In particular, she has an interest in developing support for pupils with SEND and looking at how this can be done within a mastery approach.

Andy Ash

Andy has been working with large numbers of primary and secondary schools across the North West for a number of years now. In doing this, along with continued research into teaching for mastery, he has developed significant expertise in maths teaching from EYFS to KS4. In particular, he has a lot of experience working in the classroom supporting teachers to identify precise elements of their practice that will help them make improvements. Andy particularly enjoys leading lesson study sessions where both he, and others, teach lessons and then spend time reflecting on these, identifying key learning points.

Lorna Goulding

Lorna is in the unique position of being a secondary school teacher who has a large amount of experience working with primary and secondary schools. As such, she is highly skilled at supporting teachers to develop the principles of teaching for mastery (particularly in KS2) where more challenging topics are taught. Lorna has worked with large numbers of primary and secondary schools over the past few years and is particularly skilled in working alongside teachers in lessons and supporting them with planning.



Mark Cotton

Mark is also in a unique position. He is a National Leader of Education who teaches regularly and spends a lot of time refining classroom practice alongside teachers (KS1-4). He is able to offer the perspective of a seasoned head teacher whilst having significant expertise in the pedagogy of teaching for mastery. As such, he supports both teachers and leaders at all levels to implement and embed a mastery approach.

Rachel Hounslow-Griffiths

Rachel has a great deal of experience working alongside primary school teachers to help them develop their mathematics teaching. She has been a primary mastery specialist for four years and is now the Primary Mastery Lead for the Cheshire and Wirral Maths Hub. As well as her significant role in system leadership, Rachel is also an assistant head teacher at an outstanding primary school in Cheshire. Her specialism is with supporting schools wishing to develop a mastery approach using a wide range of resources.

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