



# Outstanding Maths Teacher Programme

Linking world-class educational research with the best Maths teaching

## Introduction

The most significant educational researchers today are transforming our understanding of how we learn and what, as teachers, we do that has the greatest impact on learning. Established theories such as Cognitive Load and approaches such as Spaced Practice and Intervleaving have wide-ranging implications for teaching, assessment and curriculum design in Maths. Yet these ideas often struggle to get light in today's education eco-system; and in their place, long-standing practices that are empirically proven to be low-,no- or even negative- impact continue to be promoted. Our challenge then is to bring the lab and the classroom together and put learning at the heart of our approach. DTSA is partnering with Craig Barton (see right) – a leading Maths teacher – to deliver an innovative approach to what Outstanding Maths Teaching really is.

## Aims

- Develop a deep understanding of the latest education theory of learning and its implications for teaching Maths
- Be able to apply over time these practices to your own classroom and department
- Create a long-term network of outstanding maths teachers that continue to debate and refine what outstanding teaching in maths is.

## Programme overview

This year-long programme will consist of 3 full days of training - one each term - interspersed with two one-hour webinars with Craig. This won't be the kind of training where you have a great time on the day, leave full of ideas, but then feel abandoned when you return to class. You have a whole year to learn, feedback, tweak, share and support each other.

National Teaching School  
designated by



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Teaching & Leadership

Concepts covered throughout the year will include: key principles of cognitive science, spacing, interleaving, improving retention, the testing effect, cognitive load theory, formative assessment, variation theory, worked examples, deliberate practice, problem solving, purposeful practice, and more. All will be presented in a practical, engaging way, drawing on strategies that have worked in real classrooms.

## Programme dates

Day 1: 30/10/18 | Day 2: 16/1/19 | Day 3: 2/5/19

## About Craig Barton

Craig is a maths teacher, the TES Maths Adviser, the creator of [mrbartonmaths.com](http://mrbartonmaths.com) and [diagnosticquestions.com](http://diagnosticquestions.com), host of the Mr Barton Maths Podcast, and the author of the best-selling book *How I wish I'd taught maths*.



## Fees

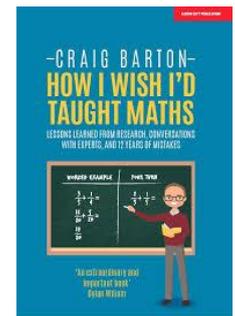
£450 per delegate. Open to all teachers. Fees include copy of 'How I wish I'd taught maths'

## Eligibility

The programme is suitable for any teacher of maths, no matter what your level of experience is. The only criteria is that you are committed to learning, sharing, and developing together.

## Booking

Go to [www.dartmoortsa.org.uk](http://www.dartmoortsa.org.uk) and click on Courses. For assistance, contact Fiona McNeile on 01837 650910 or [fmcneile@dartmoortsa.org.uk](mailto:fmcneile@dartmoortsa.org.uk)



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