

**Welcome** to Issue 1 of the West Yorkshire Maths Hub's 'Teaching for Mastery' Newsletter. You will receive a newsletter each half term informing you of the work our Teaching for Mastery Specialists are involved in this year and of opportunities for you to see and become involved in our work.

**The team** of Teaching for Mastery Specialists actively supporting schools in our area are:

Paula Allaway, Kate Henshall, Rebecca Holland and Emma Pease (Cohort 1) and Bevan Bolland, Chris Conway and Mike Clayton (Cohort 2). The team are coordinated by the West Yorkshire Teaching for Mastery Lead, Jill Todd. The Teaching for Mastery Specialists have been trained by the National Centre for Excellence in the Teaching of Mathematics (NCEM) as part of the Teaching for Mastery programme, supported by the Department for Education. Their role is in addition to their classroom/school responsibilities, with each specialist working approximately one day each week for the hub.

The role of the specialist is to support the facilitation of Teaching for Mastery within their selected schools through workshops and school visits, which run throughout the academic year. This academic year we have 53 schools involved in the Teaching for Mastery programme. Opportunity for your school to apply to join the programme, either as a member of a Workgroup or to train as a Teaching for Mastery Specialist, will arise towards the end of the spring term, 2018.

**Open Classrooms** We have opportunity for you to see Teaching for Mastery in action.

The table below shows you the open days of a number of schools who are willing to share their Teaching for Mastery journey. If you wish to attend please follow the link for beside the element of mastery which you are interested in. Places are limited, so please complete as soon as possible.

What	Where	When
Teaching for Mastery within Year 6	Pinders Primary School, Wakefield WF1 3SQ	5 <sup>th</sup> December, 10:30 – 12:30
Mastery: Teaching for Mastery in lower key stage 2	Scholes Elmet Primary School, Leeds, LS15 4BJ	21 <sup>st</sup> November, 9:15 -11:45
Key Stage 1: Mixed Age Teaching for Mastery	Scholes Elmet Primary School, Leeds, LS15 4BJ	21 <sup>st</sup> November, 9:15 -11:45
Key Stage 2: Mixed Age Teaching for Mastery	Cowling Primary School, Cowling BD22 0DF	5 <sup>th</sup> December, 8.45 -11.00
Same Day Intervention in Action in Key Stage 2	Ingrow Primary School, Keighley, BD21 1NF	24 <sup>th</sup> November 9:10 – 10:30
Teaching for Mastery 3 years on	Copley Primary School, Halifax, HX3 0TP	28 <sup>th</sup> November, 9:00 – 11:45
Maths within EYFS	St. Edmund's Primary	TBC
Using Models and Images in Key Stage 2	Hothfield Primary, Silsden BD20 0BB	22 <sup>nd</sup> November, 9 – 10:30

Please contact [WYmathshub@trinitytsa.co.uk](mailto:WYmathshub@trinitytsa.co.uk) to book your free place (Spaces are limited).

# The Shanghai Visit

Chris Conway and Mike Clayton (two of our cohort 2 Mastery Specialist Teachers) have just spent two weeks in Shanghai. Chris and Mike have seen some excellent teaching and some exciting strategies used during their visit. This is what they had to say:



*The most obvious feature of maths teaching in Shanghai Primary Schools was the clearly defined structure across all year groups, in all schools. Lessons were 35 minutes in duration, highly intensive, all pupils worked on the same content, lesson was teacher led and heavily scaffolded with text books.*

*All lessons featured the 5 elements of mastery as (defined by the NCETM):*

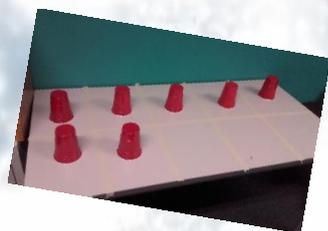
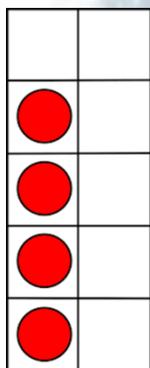
- *Representation & structure - shown with pictorial representations & real life problems*
- *Variation - showing the same concept in different ways, mathematical thinking - exploring connections, strategies, small steps approach*
- *Fluency - a solid foundation in number relationships enabled children to rapidly recall facts*
- *Coherence - the whole curriculum is designed with a small steps approach throughout*
- *Mathematical thinking*

*The teachers only expected to teach the maths content once, with little revisiting in subsequent years. They were able to do this due to the children's solid understanding of number, structure and mathematical relationships in the early years of primary school.*

In January, we will be welcoming two teachers from Shanghai to Chris' school (Newhall Park School, Bradford) Keep your eyes open for your invitation to observe the Shanghai teachers

## Resources

Teaching for Mastery uses conceptual resources, which aim to give structure to the child's understanding of number. The 10 frame is one of the most basic, yet powerful resources used within the Teaching for Mastery classroom. It allows children to develop their ability to subitise numbers, partition numbers and identify the relationship to 10 – all of which are essential to the development of a child's number sense. They can come in many forms:



## Video clips

Follow the link below, or use the QR code, to view a lesson delivered by our visiting Shanghai teachers. <https://vimeo.com/195935283>

