

MATHS ➔

The Shanghai Maths Project

A Chinese-style approach to maths that puts mastery at the heart of teaching, learning and assessment



AT A GLANCE

- Carefully choreographed lessons and resources for Y1-2
- Variation in exercises encourages pupils to specialise, generalise and look for patterns
- Develops procedural fluency and understanding of underlying mathematical concepts
- Breeds high expectations for all

REVIEWED BY: JOHN DABELL



We import a lot from China. Our homes are filled with products that were either made or assembled there. Now our schools are buying into their ideas and wisdom too, with the government investing £41 million in the mastery method of maths teaching.

Although authentic mastery practice is firmly on the radar in the UK, it's not necessarily on the maths menu of many schools because authentic textbook resources are lacking. This is where Collins has seized the day, adapting Shanghai's best-selling One Lesson, One Exercise maths programme.

The Shanghai Maths Project (TSMP) includes full teacher support, a textbook and digital resources, as well as second edition practice books. When TSMP first appeared on our shelves, there was a lot to get excited about, but the one key resource that was missing was a teacher's guide. Collins listened and now we have one, and this fills in plenty of gaps with considerable support and expertise.

Crucially, the guides work alongside the practice books and orchestrate teaching, planning and assessment page by page so that you have the best possible insights into making Shanghai maths work. The units all begin with essential conceptual context notes and then launch into the key

questions and how to approach and execute them effectively. The notes are copious and offer oodles of activity ideas for whole-class teaching. There is plenty to signpost and guide your thinking so that you can make powerful same-day interventions and make enrichment activities really count, alongside creative challenges and extension questions. Step by step, piece by piece, these materials make mastery matter, so that everyone is singing from the same hymn sheet and misconceptions can be nipped in the bud.

The practice books for pupils offer concise activities. These are purposefully image-heavy and so make maths learning a very visual experience. They are cognitively and conceptually very strong and uber focused.

Collins Connect completes the jigsaw with online resources and interactive tools to further support pupils to articulate their thinking and explore, practise, explain, relate and incorporate new understandings.

The Shanghai Maths Project encourages children to believe in themselves, aim high and achieve distinction. Although other makes and models of maths programme are available, it is TSMP's rigorous, well-executed and finely-tuned structured excellence that ticks a lot of cuboids. Meticulous – yes; miraculous – maybe.

teach
PRIMARY

VERDICT

- ✓ High quality materials that promote basic knowledge and skills
- ✓ Embeds and strengthens mathematical understanding through deep teaching
- ✓ Promotes higher order thinking and creates a strong foundation for complex mathematics in later study
- ✓ Encourages a can-do attitude and positive maths mindset
- ✓ Allows children the time to learn so they can explore maths in detail

UPGRADE IF...

You want top-quality resources that entrench intelligent practice and consolidation for helping pupils to become mindful mathematicians.

Teacher's guide, £100; homework guide, £50; learner book, £5; practice books, £3.99; Connect, £150 + VAT, 0844 576 8126, collins.co.uk