The whole-class mastery approach that works for every child
Power Maths is an exciting **world-class mastery approach** written specifically for UK classrooms by a team of leading mastery experts.

**Perfectly aligned to the White Rose Maths progressions and schemes of learning,** Power Maths makes the whole-class mastery teaching approach work for you, your children and your school. And, it comes in **flexible and affordable packages** to suit your needs and budget, whether you’re looking for textbooks or teaching support.

*Power Maths KS1 has been judged by the DfE panel to meet the core criteria for a high-quality textbook.*
A world-class collaboration

Power Maths is based on extensive research into maths teaching around the world, and is written by world-leading educational experts with years of experience in embedding effective mastery approaches.

- **Tony Staneff, Series Editor** - Vice Principal at Trinity Academy, Halifax, and lead of a team of mastery experts supporting schools across the UK in introducing teaching for mastery methods.

- **A team of experienced authors**
  - Josh Lury - a maths specialist teacher, experienced author and maths consultant.
  - Cherri Moseley - an experienced maths author, ex-teacher and accredited NCETM professional development provider.
  - Paul Wrangles - experienced maths author and ex-teacher.

- **Series Consultant and Author, Professor Jian Liu, and his team of 12 mastery expert authors**
  Professor Liu has developed one of the most popular maths textbook programmes in China, used by over 20 million children. He and his team of authors are all highly experienced in intelligent practice and in embedding key maths concepts through a concrete-pictorial-abstract approach.

- **A group of 15 teachers and maths co-ordinators.**
  Power Maths has also been developed alongside teachers to ensure it meets all the specific needs of children in the UK.

The Power Maths approach

1. **At the heart of Power Maths is the belief that all children can achieve. It's built around a child-centred lesson design that models and embeds a growth mindset approach to maths.**

2. **Power Maths is structured around a whole-class interactive teaching model that focuses on helping all children to build a deep understanding of maths concepts and a confidence in maths.**

3. **Power Maths takes a continuous and embedded approach to teacher support and professional development, particularly in terms of subject knowledge and managing the whole class teaching for mastery approach.**

Power Maths includes intellectually demanding and knowledge rich resources with world-class content, ideas and support that combine powerfully to reduce workload.

*John Dobell, former Primary Teacher and trained Ofsted Inspector*
The Power Maths teaching model

Power Maths is structured to help you teach concepts for longer and to go deeper. For each year group, the curriculum strands have been broken down into core concepts. These are taught in blocks of lessons so you can give sufficient time to developing a deep and sustainable understanding of core maths concepts. Each concept has also been broken down into small steps (lessons). Each lesson and concept builds on prior knowledge to help children build a robust and deep understanding of the concept before moving on.

The unit teaching and learning sequence

Quick check on prerequisite skills and a warm-up for children.

Lessons which take small steps and include checks for progress

End of unit check

Deepen activity

End of unit journal

Strengthen activity

Same day intervention

Intervention safety net: optional activities to use if assessment shows some children still have misconceptions.

Rich assessments show mastery of key skills combined with a pupil self-assessment and reflection opportunity.

Assessment

Assessment in Power Maths is integrated throughout the lessons and unit structure of the textbooks. This helps you to make regular assessments of children’s understanding to inform your teaching and assess progress. At Key Stage 1, assessments are designed to be rich and child-friendly to avoid stress, and to support you in keeping the whole class progressing together. Opportunities for same-day intervention and advice for deepening children’s understanding are built in.
Each Power Maths lesson starts with a whole-class ‘Power Up!’ activity, designed to support fluency in all key number facts.

Hands-on problems spark curiosity and provide opportunities for deeper questioning. Children share, reason and learn from misconceptions through whole-class discussion.

At this point, scaffolding is carefully reduced to prepare children for independent practice. Children consider solutions as a class, with partners and independently.

Designed to be completed independently, this practice uses conceptual and procedural variation to build fluency and develop deeper understanding of underlying mathematical concepts. A challenge question and links to other areas of maths encourages children to take their understanding to a greater level of depth.

This is an opportunity for children to review, reason, and reflect on learning and to help you to gauge depth of understanding.

The Power Maths lesson sequence

Written to support the NCETM’s definition of mastery, the lesson sequence in Power Maths focuses on supporting children’s understanding of core concepts and building their mathematical confidence. Each lesson is divided into evidence-based sections that take children on a journey through discovery, sharing of ideas, scaffolded practice, independent practice and reflection.
Take a closer look...

Textbooks

The powerful lesson structure of Power Maths comes to life through the high-quality textbooks. They provide a coherent structure through the curriculum and support children on their journey to deeper understanding. The textbooks set out the core learning objectives for the whole class.

“Discover”, “Share” and “Think Together” sections help promote discussion and ensure mathematical ideas are introduced to children in a logical way to support conceptual understanding.

Engaging contexts for problem solving help children to discover patterns and concepts for themselves in a meaningful way.

High-quality textbook recommended by the DfE*

Lovable characters prompt and question children to promote reasoning skills and help to build a growth mindset.

Clear mathematical structures and representations (using the Concrete-Pictorial-Abstract approach) ensure children make connections and grasp concepts.

Engaging contexts for problem solving help children to discover patterns and concepts for themselves in a meaningful way.

‘Discover’, ‘Share’ and ‘Think Together’ sections help promote discussion and ensure mathematical ideas are introduced to children in a logical way to support conceptual understanding.

Taking pride of place are rigorously designed, high-quality textbooks that offer real curriculum coherence.

John Dabell, former Primary Teacher and trained Ofsted Inspector

High-quality textbook recommended by the DfE*

*Power Maths KS1 has been judged by the DfE panel to meet the core criteria for a high-quality textbook.
Take a closer look...

Practice Books
The Practice Books provide just the right amount of intelligent practice for children to complete independently in the final section of the lesson.

The practice questions are for everyone - each question varies one small element to move children on in their thinking. Look at the different parts in question one!

All practice questions are carefully developed to reveal misconceptions.

The Practice Books provide just the right amount of intelligent practice for children to complete independently in the final section of the lesson.

Get a FREE Practice Book for every Textbook purchased!*
Take a closer look...

Teacher Guides
The Power Maths Teacher Guides provide expert support for your day-to-day teaching, and offer opportunities for you to develop your subject knowledge, and to reflect and continue your professional development.

Focused support for each mathematical concept within the Power Maths progression, including important structures and representations, key language, common misconceptions and intervention strategies.

Specific advice and commentary for each pupil book page - including insight into why tasks and exercises have been selected, and how to strengthen and deepen learning.

Teacher reflection questions before and after every lesson!

Support with key strategies such as modelling a growth mindset, assessing mastery, speedy same-day intervention, C-P-A approaches and using key mathematical structures and representations.

Templates for teacher reflection, lesson study, and tracking pupil progress.

The teacher guides provide unparalleled backing for day-to-day teaching and explain how to support a mastery approach...The guides are easily the best I have seen.

John Dabell, former Primary Teacher and trained Ofsted Inspector

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Teacher Guides
Per year (one per term)
Take a closer look...

**Online toolkit**
The online Power Maths toolkit contains all the digital resources you need to support your whole-class teaching. A subscription to Power Maths gives you access to:

**eTextbooks**
A digital version of the Power Maths textbook allows you to share the textbook questions as a class with ease. It also contains links to the relevant teaching tools, ‘Power Up!’ activities, and teacher guide pages so you have **everything at your fingertips**.

**‘Power Up!’ activities**
These daily fluency activities accompany each lesson to aid **fluency in key number facts**.

**Online versions of Teacher Guide pages**
Access PDF pages from the Teacher Guides for **unit-level and lesson-level support**, as well as guidance for key strategies and progress-tracking templates.

**Teaching tools**
Interactive versions of the **key mathematical structures and representations** used in the books e.g. part-whole model and bar model.

**Subject knowledge videos**
Designed to support your continuing professional development at the start of each unit, these explain how mathematical concepts link to each other. They help you to develop an **understanding of key misconceptions and teaching strategies** so that you can feel confident teaching each unit.

**End-of-unit strengthen and deepen materials**
Each unit contains materials to support children who need further support and those whose understanding can be deepened. These will help you to **keep the class together** and ensure depth of understanding before the class moves on.
Take a closer look…

Professional Development
Power Maths takes a continuous approach to teacher support and professional development, particularly in terms of developing subject knowledge and managing the whole-class teaching for mastery approach.

Practical, face-to-face course
A full-day course helps you understand the benefits of the Power Maths learning model and how to bring it to life for your children. In the session, you will experience a Power Maths lesson for yourself, get hands-on with the approach, work together with your colleagues and plan practical next steps for implementation.

Subject knowledge videos
The support provided in the Teacher Guide is supplemented by online subject knowledge videos, which are accessible through the online toolkit. These explain how maths concepts link to each other, and help you develop an understanding of key misconceptions and teaching strategies so you can feel confident teaching each unit.

Flexible packages to suit your needs and budget
Unlike other programmes, Power Maths has no extortionate adoption or ongoing costs. Our packages are flexible and cost-effective to suit your needs and budget, whether you’re looking for just textbooks, or teaching support too.

Choose your Power Maths package:

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Equivalent to £826 start-up price per year group!

*Introductory offer: Get a FREE Practice Book for every Textbook purchased!*
Get a free sample pack and book a demo

Request a free Power Maths sample pack and register for a free demo in your school

www.pearsonprimary.co.uk/powermathssamplepack