What are the common features of mastery?

- An expectation that all children can succeed in maths, often achieved by keeping the class together.
- Giving children a secure and sustainable understanding of mathematical concepts by developing consistent models and images.
- Ensuring children are fluent in mathematical procedures and number facts by rehearsing these in systematic ways.
- Children who master a concept easily are expected to deepen their understanding.
- Children who do not master an objective with the rest of the class should be supported to enable them to gain more experience and achieve mastery, for example through same-day intervention, plus longer-term help if necessary.





Mastery support from Pearson

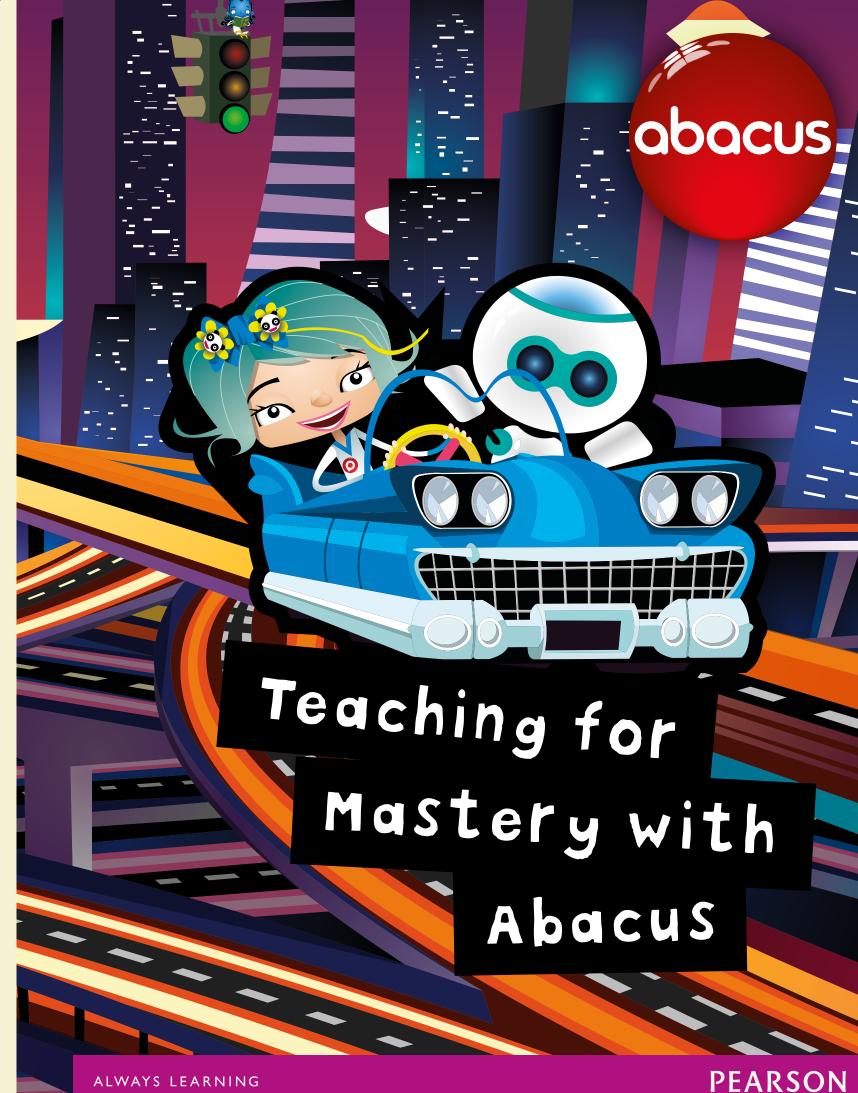
We are here to support you and your school with teaching for mastery. Visit our mastery support webpages for:

- Mastery videos
- We've partnered with NCETM to produce a series of videos to support teachers in understanding teaching for mastery.
- Ruth Merttens Maths Mastery events Host a maths mastery event in your school with Ruth Merttens, covering mastery best practice.
- Articles, blog posts and more.



www.pearsonprimary.co.uk/ teachingformastery





what is mastery?

In a primary maths context, 'mastery' is when a child has achieved a secure understanding of mathematical concepts and processes, combined with genuine procedural fluency.

A child who has mastered a particular skill is able to apply their understanding of maths concepts and procedures to reason and to solve different types of problems, including where the skill is either embedded in a different context, or where a choice of method has to be made.

Some children will be able to achieve mastery with greater depth. This means that they are able to apply their understanding of a concept in a wider variety of contexts, some of which are more difficult and less obvious. They can manipulate the facts they know and the skills they possess in order to solve more complex problems.

For pupils mastery is not just something that you achieve to get through the test at the end of key stage 2, but deep mathematical knowledge that lasts and can be built upon in future years.



Teaching for mastery with Abacus

Abacus supports you to teach for mastery by giving you the control, flexibility, and resources you need to ensure every child can achieve the deep and lasting understanding of maths required to meet Age Related Expectations.

It puts you firmly in the driving seat and accommodates flexibility in planning so that you can give children as long as they need on a concept before moving them on. It also provides continuous opportunities for children to revise and practice what they have learnt to ensure deep understanding and knowledge of maths concepts.



Problem-solving and reasoning games and activities stimulate children's imaginations and challenge them to explain and apply their knowledge to solve contextual problems.

Developing

Problem Solving

and Reasoning

skills

Keeping the class together

- ✓ Planning tool provides structure for whole class teaching and guided activities focused on a specific concept
- Links to NRICH activities ensure all the children in your class achieve a deep enough understanding to reason and problem solve.
- ✓ Online resource finder allows you to access resources to teach an objective for longer if needed.
- Prerequisite tool assists speedy intervention by providing materials to address misconceptions and consolidate prior learning.

Models and ImageS

- Teaching tools, including a NEW bar modelling tool, embed a consistent and developmental approach to use of models and images.
- 'Grab' icons in Workbooks and Textbooks indicate key manipulables for children to use to support their learning.
- Key models and images are shared between textbooks and digital teaching tools to help children see maths visually and explore mathematical patterns.



Assessing mastery and Speedy intervention

- ✓ NEW 'mastery checkpoints' at key points over the course of the year help you assess mastery of objectives and mastery with greater depth. They include suggested next steps to address any problem areas before children move on.
- Integrated assessment tools, resources and tests help you build a well-rounded picture of children's progress and attainment.

Developing fluency

- Five Minute Fillers, Quick Maths and Fluency Fitness activities help reinforce key skills and keep number facts 'on the boil'.
- Textbooks and workbooks provide opportunities for children to use the maths facts they have learned.



Mastery with greater depth

- 'Think' questions in textbooks and workbooks encourage children to explore concepts in greater depth.
- Links to rich mathematical tasks from NRICH deepen children's understandina and provide opportunities for mastery with greater depth.



Intelligent practice

- **✓** NEW homework worksheets provide opportunities for variation and challenge.
- Quality pupil textbooks draw on key models and images used consistently throughout the programme.

Teaching for mastery

- NEW mastery support with CPD videos and expert advice.
- ✓ NEW Teaching for Mastery with Abacus half day Professional Development course.

Find out how Abacus can help you teach for mastery and inspire a genuine love of maths www.pearsonprimary.co.uk/abacusmastery

