

Depth and breadth

Just as prescribed in the National Curriculum, the goal of *Power Maths* is never to accelerate through a topic but rather to gain a clear, deep and broad understanding.

"Pupils who grasp concepts rapidly should be challenged through being offered rich and sophisticated problems before any acceleration through new content. Those who are not sufficiently fluent with earlier material should consolidate their understanding, including through additional practice, before moving on."

National Curriculum: Mathematics programmes of study: KS1 & 2, 2013

The lesson sequence offers many opportunities for you to deepen and broaden children's learning, some of which are suggested below.

Discover

As well as using the questions in the Teacher Guide, check that children are really delving into why something is true. It is not enough to simply recite facts, such as ' $6 + 3 = 9$ '. They need to be able to see why, explain it, and to demonstrate the solution in several ways.

Share

Make sure that every child is given chances to offer answers and expand their knowledge and not just those with the greatest confidence.

Think together

Encourage children to think about how they found the solution and explain it to their partner. Be sure to make concrete materials available on group tables throughout the lesson to support and reinforce learning.

Practice

Avoid any temptation to select questions according to your assessment of ability: practice questions are presented in a logical sequence and it is important that each child works through every question.

Reflect

Open-ended questions allow children to deepen their understanding as far as they can by discovering new ways of finding answers. For example, *Give me another way of working out how high the wall is ... And another way?*



Online materials

For each unit you will find additional strengthening activities to support those children who need it and to deepen the understanding of those who need the additional challenge.