



One Side Guide to..... Singapore Maths



The Singapore Primary Maths series is a hands on, problem solving approach to teaching and learning maths. It uses methods you may not have used before such as a concrete-pictorial- abstract approach and drawing models to solve problems.

The C-P-A Approach (Concrete, Pictorial and Abstract)

- **Concrete**

Singapore maths focuses on using lots of everyday materials. It looks at putting maths into everyday problems. It uses everyday things in problems such as fruit, food, bikes, and flowers. The maths programme aims to get the children to firstly understand how to add, subtract, multiply and divide (the 4 operations) using hands and objects to help them. This is using a mixture of maths resources and everyday objects.

- **Pictorial**

Once children can do the maths using resources they move onto doing the same maths using pictures of objects and using this to help them. They will also use Numicon and Dienes to help them with their maths at this point.

- **Abstract**

Once the children can do this using pictures then they move on to writing down their understanding and showing it using numbers and words. This might be practising number sentences like $3+5=8$ with supporting pictures to help them. They may use number lines and number squares to help them complete their maths.

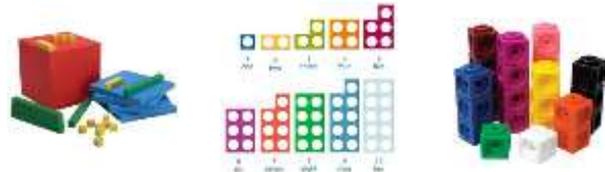
This approach is currently being used in Y1 and Y2.

Lesson Approach

Maths lessons usually start with a problem which the children are asked to solve. There is a big focus on finding many ways to solve a problem and explaining how they solved it. After that there is shared learning together as a class and then some guided work. In the final part of the lesson the children complete independent work in workbooks or in their exercise book.

Resources being used in Y1 and Y2

Number lines, number squares, dienes (hundreds, tens and ones), numicon, part-part-whole diagrams, counters, multilink cubes.



Have a watch of some of the parent maths clips for more on Singapore maths and strategies we will be using at LFPA to teach mathematical topics.