

Maths

At Our Lady of the Assumption Catholic Primary School, we believe that mathematics is essential for everyday life. Our aim is for our pupils to have a strong understanding of maths, being fluent in their abilities. We want them to enjoy maths and be confident mathematicians.

Fluency

Fluency is a key element to maths at OLA. Good fluency helps pupils to make better progress in their maths lessons every day, by freeing up their working memory. Quick recall of facts is associated with better attainment in mathematics. We believe in regular retrieval of previous learning, to ensure that the learning sticks.

- As soon as we enter school, our morning activities are fluency-based, ensuring we are practising key mathematical skills every day.
- We begin every lesson with key facts or chanting.
- We encourage our families to practise at home. Every half-term we send home the Key Instant Recall Facts (KIRFs) for each year group to focus on at home as well as at school.
- We use Times Table Rockstars and NumBots to encourage our quick recall of facts!

You can find the whole-school KIRFs here:

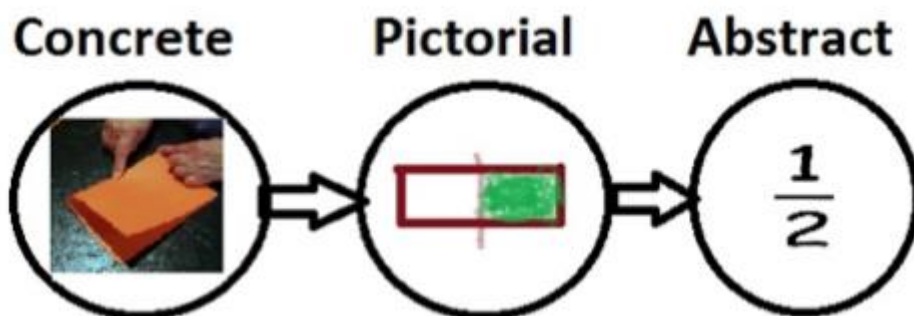
<https://ourlady.coventry.sch.uk/wp-content/uploads/OLA-KIRFs-whole-school.pdf>

Power Maths

Our Lady of the Assumption School teaches Maths through the whole-class mastery programme Power Maths. The principal aim is to develop children's knowledge, skills and understanding, as well as sparking curiosity and excitement, building life-long confident mathematicians.

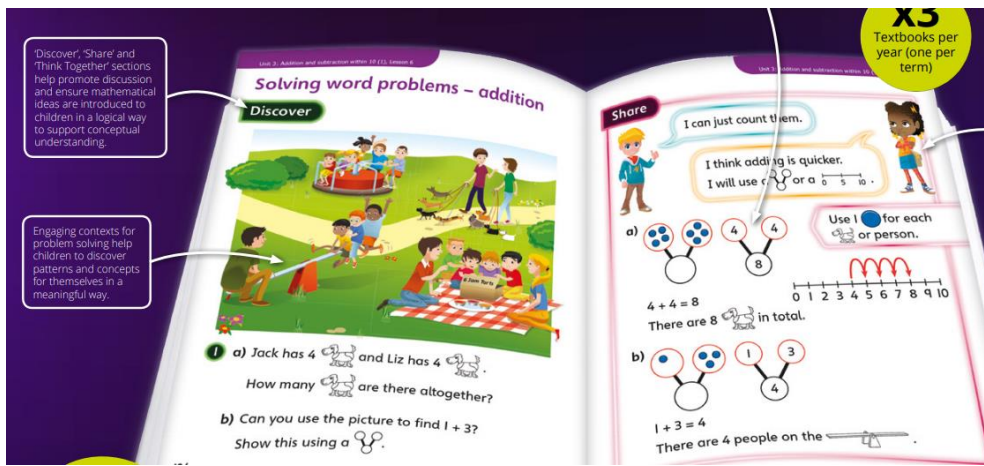
During our daily lessons, we encourage children to demonstrate their understanding using a range of visual and written strategies to ensure a rich depth of understanding.

The Power Maths approach uses concrete objects to test mathematic concepts and build a clearer understanding of abstract ideas. Key concepts are introduced using a range of resources, giving children the chance to see a problem and using manipulatives to build an understanding and make links across their learning. Alongside this, we encourage children to draw pictorial versions and build links to the abstract.

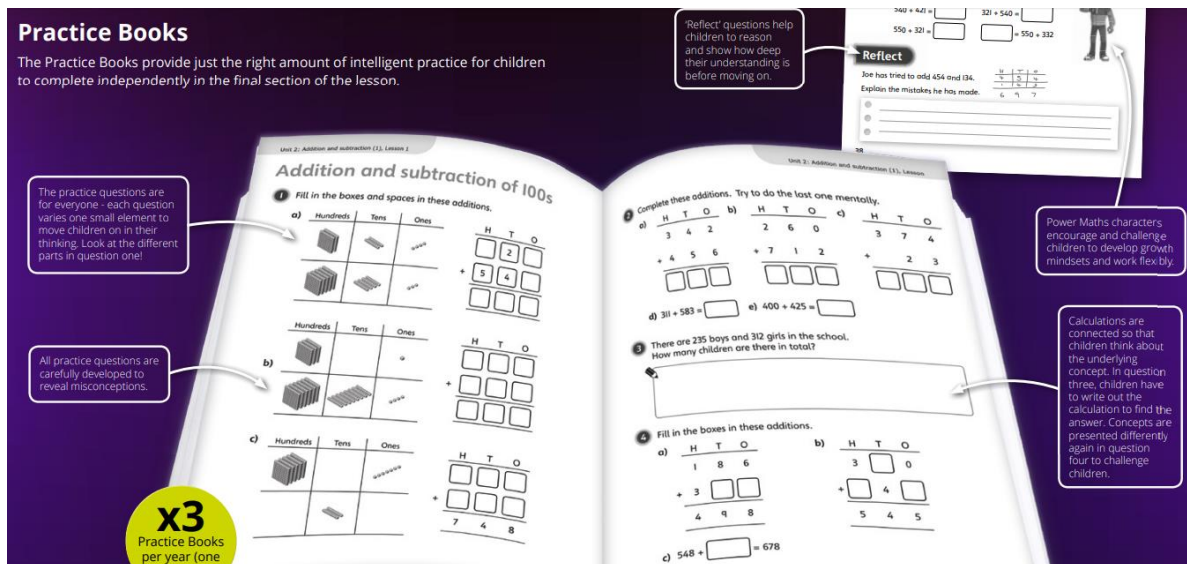




This is what our textbooks look like:



Our practice books are where we practise our learning each day:



Calculation Policy

In line with our mastery style approach to teaching, and the 2014 curriculum, we have revised our calculation route-ways and planning to support. You can find our new Calculation Policy here:

<https://ourlady.coventry.sch.uk/wp-content/uploads/OLA-mastery-calculation-policy-CPA.pdf>

Year group overviews

On each class page, you can find each year group overview. This will show you what the children are learning in chronological order. It displays the concrete and pictorial ways we use to help children's understanding.