Maths Structure FIRSY Fundamental

Updated: September 2026

White Rose Maths

At Firs we provide all children with the same curriculum and opportunities and giving all children the chance to do fluency, problem solving and reasoning for every objective. Children who require additional help will be given speedy interventions to prevent long term gaps in their learning and to enable them to keep up with their peers. All children will be given the same opportunities by completing the same task which will be differentiated by support and resources where appropriate.



Mastery Glasses

Explain it – Children need to describe what they have done in his/her own words and then explain it to someone else.

Convince me – Children must identify misconceptions and reasons why the answer is correct.

Prove it – Children are challenged to prove that they reached the correct answer using alternative methods or representations. They may be asked to prove whether a given answer is correct or incorrect.

Use it – Children are challenged to apply their learning, using it in another context.

Pre-Task

We assess the children at the beginning of each lesson to ensure they are given the correct task and moved on from fluency, to reasoning and problem solving. The task may be a word problem for them to solve in pairs or simple fluency questions to check their understanding. This is then used for AFL and is recorded in books under the heading Pre-Task.

Further Challenge

This challenges the children to apply their learning further in a different context. We use many resources for this including NRICH challenges and investigations. Children who have completed all of the reasoning and problem solving should be moved onto a further challenge . This can also be given as a next step challenge.

Teacher Led

This teaches the method/concept to the children. Questions are planned to address any misconceptions that may happen before children begin the task. Children then have the opportunity to "have a go" on their whiteboard or in books.

Fluency

This gives the children opportunity to practise the skill/method that has been taught. We get example questions from the White Rose Planning as well as using additional resources such as Target Your Maths and Grammarsaurus.

Problem Solving and Reasoning

This relates to the Mastery Glasses and allows children to apply their learning. All children have the opportunity to reason and problem solve for every learning objective and tasks are planned so all children can access them.

We use various resources such as I See Reasoning, White Rose, and NRICH.

Maths in EYFS

In EYFS maths is taught by following "White Rose" and using "Mastering Number". Children are taught maths in groups, given the opportunities to explore maths independently and with their peers through play as well as completing teacher led tasks. All of the children's learning and progress in maths is recorded through observations or a piece of work. Children are given clear next steps from their teacher led tasks. As children prepare to transition into year 1 in the summer term, reception children are introduced to the "Mastery Glasses."