



Mathematics:



[Our GJS Maths Protocols](#) set out our approach to teaching mathematics in more detail.

In mathematics we follow the White Rose Maths (WRM) curriculum. WRM is a **fully sequenced** and resourced **maths mastery** approach curriculum. Our [GJS Maths Yearly Overview](#) details the areas of mathematics taught and when they are taught across the school year.

Our approach to teaching for mastery is integrated across the curriculum. We strive to ensure that:

- **Children access the same lesson content** because they are all expected to achieve
- **Children receive teacher-led whole class teaching** as our primary teaching model
- **Children receive scaffolding as required** and this is removed as independence grows
- **Children are required to think** – this requires **resilience**, and **being resilient is hard**. Teachers work to move all children into the 'Ideal' box as **active learners** and **active thinkers** to maximise retention of knowledge in long-term memory.

Fluency in Mathematics:

To support great fluency in mathematics, one lesson a week is targeted at increasing children's abilities to **quickly** and **confidently** apply their mathematical understanding in a range of contexts.

Fluency in maths works through **intelligent practice** (rather than just mechanical repetition). Once a child has grasped a mathematical concept, the idea is that they are exposed to varied fluency activities which **develop their understanding**.

These activities also require them to use **verbal reasoning** to justify and explain their thinking in order to solve word problems in an unfamiliar context.

Times Tables:

To support children to learn their times tables we partner with Times Tables Rock Stars (TTRS). TTRS is one of the **leading online times tables resources**. Children sit an online times tables test prescribed by the Department for Education in Year 4. It is expected that children know all their times tables up to 12x12, with rapid recall (6 seconds maximum) by this time.

Additional Mathematics Tuition:

Alongside core mathematics lessons we run online tuition sessions with Third Space Learning. Tuition is selective and children will be invited if we feel they would benefit from the programme. Tuition occurs outside the standard school day.