

Vision

Mathematics at Woodcroft aims to create confident, problem solving mathematicians. We offer Power Maths which is a clearly structured mathematics scheme of work. It focuses on the teaching and learning process that makes certain that every child masters each concept securely and deeply.



Mathematics



Content and Sequencing

Here at Woodcroft we believe that using the mastery approach values real understanding and richer, deeper learning. It sees all children learning the same concept in small, cumulative steps, each finding and mastering challenge at their own level. Those who grasp a concept easily have time to explore and understand that concept at a deeper level. The whole class therefore moves through the curriculum at broadly the same pace via individual learning journeys.

Big Ideas

- Consistent vocabulary through the school
- Guided reasoning
- Extra mental maths sessions (3 times a week).
- Whole school approach to learning times tables

Cross Curricular Links

Computing - Using position and direction as well as angles whilst writing and debugging algorithms.

Science - understanding the months of the year and which season they are in and measuring and reading measurements during experiments.

Retrieval Practice

Recap of prior learning is carried out at the beginning of every mathematics lesson using Power Maths, Power ups. These vary with different methods, games and representations.

Mathematics working walls are regularly added to, which includes key vocabulary, stem sentences and key representatives.

End of unit assessments and NTS assessments are completed by children in order for them to demonstrate what they have learnt.

Progress

Progression of mathematical skills is evident from KS1 to KS2. Children are taught in small, progressive steps so every child can master the concepts being taught and prepare them for the next topic or next academic year.

End of unit assessments aid teachers in knowing how much progress has been made and if there are any gaps.

Support

Children have access to online resources (eg, interactive 100 squares) as well as many practical resources within the classroom to support concepts being taught.

Working examples, key vocabulary and representations are displayed on working walls which are regularly updated.

KIRFS are sent home half termly in which children can practice at home.

Staff CPD provided by mathematics lead. Monitoring and evaluations completed by SLT.