



The teaching of mathematics in our school ensures that fluency, reasoning and problem solving skills are developed in every learning opportunity. We recognise the importance of maths as a key life skill and we aim for all of our children to develop a confidence to take this forward into the rest of their lives. Children will:

Learn the skills of arithmetic, geometry and measure that can be used in everyday life and further developed to support their careers.
Develop problem solving and reasoning skills for day to day life.
Recognise mathematical thinking as a key life skill. Train their creative thinking skills.
Develop and refine the ability to apply their mathematical skills across the curriculum.

Fluency

Manipulatives and visual images are used to develop mathematical language.

Mastery in maths approach.

Daily targeted fluency sessions

Minute maths

Times table challenges: TTR & 24 Club

Fluency both in mental and written methods to solve calculations.

Content

Power Maths scheme of work.

White Rose assessment matches the Power Maths sequencing of learning

Responsive teaching to pupil needs, adapting Power Maths.

Dong Nao Jin to extend learning and understanding

Children assess own learning every lesson

Mathematical explanations expected,

Depth

Pupils accrue knowledge to achieve greater depth understanding of maths concepts.

Use of questioning to extend thinking.

Daily opportunities to unpick misconceptions and be able to explain why something is incorrect.

Challenge built into every lesson.

Dong Nao Jin to extend learning and deepen understanding of recently learnt concepts.

Explicit and direct instruction

Clear explanations

Consistent approach to terminology and explanations, from application of Power Maths.

Small steps sequenced learning

Modelling using concrete resources and pictorial representations.

Retrieval practice

Key vocabulary and concepts revisited systematically through daily practice.

Learning walls.

Collaboration within lessons, using discussion with peers.

Regular practice of key arithmetic skills and recalls

Progress

Clear success criteria.

Children assess their progress each lesson.

Progression model curriculum.

Time for understanding of errors.

Daily maths interventions

Regular arithmetic assessments inform planning for fluency sessions

Termly assessments (White Rose) with QLA

Support (including SEN)

Every pupil has access to the NC programme of study, with targeted teaching to each child's individual next step point

One-to-one and small group support.

Pre teaching to support focus groups.

Scaffolded learning and structured questioning to support.