MATHEMATICS CURRICULUM

Fluency • reasoning • problem solving • mathematical language

OUR INTENT Children develop secure, connected mathematical understanding and the confidence to reason, solve problems and explain their thinking.

CURRICULUM STRANDS Number and place value • calculation • fractions/decimals/percentages • measurement • geometry • statistics • algebraic thinking

How learning develops

EYFS	Develop a deep understanding of numbers to 10, numerical patterns, shape, space and measure through talk, play and practical exploration.
KEY STAGE 1	Secure place value and calculation; develop multiplication, division and fractions; measure and describe shape, position, time, money and data.
KEY STAGE 2	Calculate efficiently; connect number, fractions, decimals and percentages; reason with measure, geometry, statistics and algebra; solve multi-step problems.

Assessable end points

BY THE END OF KS1

Represent and calculate with numbers to 100, recall key facts, solve familiar problems and explain using representations and precise language.

BY THE END OF KS2

Calculate fluently, choose efficient strategies, reason from known relationships and solve unfamiliar multi-step problems accurately.

What pupils learn to do in the subject

SUBJECT PRACTICE Explore • represent • notice • conjecture • calculate • reason • justify • prove • generalise

ESSENTIAL LANGUAGE represent • compare • equal • place value • operation • fraction • estimate • reason • prove • efficient

Implementation, inclusion and impact

- Teachers revisit prior learning, teach precise vocabulary, model subject thinking and give pupils opportunities to apply knowledge with increasing independence.
- Adaptive teaching, clear explanations, carefully chosen resources and appropriate scaffolds enable all pupils to access an ambitious curriculum.
- Teachers check what pupils remember, understand and can apply through discussion, observation, work and carefully chosen tasks—not through unnecessary evidence collection.

HOW FAMILIES CAN HELP Use money, measures, time and cooking; practise number facts briefly and regularly; ask “How do you know?” and value different methods.

WEBSITE NOTE This one-page summary should be read with the detailed Great Leighs curriculum progression and unit end-point document, which remains the authoritative teaching sequence.