LEARNING LIGHTHOUSE
Rooted in TRADITION, Built for TODAY.

MATHEMATICS

Lower Key Stage 2 · Years 3–4 · Ages 7–9

ENGLISH NATIONAL CURRICULUM | TWO-YEAR ROLLING PROGRAMME

At Learning Lighthouse, our Years 3–4 Mathematics curriculum builds confidence, fluency and reasoning through structured teaching, practical activities and increasingly challenging problems. Pupils study the same broad mathematical ideas together, with learning objectives and independent tasks differentiated to the requirements of their individual year groups.

How our rolling curriculum works

Our combined Years 3–4 class follows two complementary rolling programmes. A pupil can attend in Year 3 and continue into Year 4 without repeating the same sequence of lessons and investigations. Essential mathematical skills are intentionally revisited in both cycles, with greater depth and age-appropriate challenge as children progress. Children may enter either cycle first.

Rolling Year A

AUTUMN TERM | Number Foundations and Calculations

Pupils strengthen place value, comparing, ordering and rounding numbers, and recognising number patterns. They develop mental calculation and formal written methods for addition and subtraction, and apply these skills to multi-step problems. Year 3 and Year 4 pupils work at appropriately differentiated number ranges and levels of complexity.

Learning objectives: Read, represent and compare numbers; apply place value and rounding; calculate accurately using mental and written methods; check answers through estimation and inverse operations; and explain mathematical reasoning.

SPRING TERM | Multiplication, Division and Fractions

Children deepen their knowledge of multiplication tables, arrays, division and related number facts. They practise written multiplication and division methods and explore unit and non-unit fractions, equivalent fractions, tenths and fractions of quantities through diagrams and practical examples.

Learning objectives: Develop fluency with age-appropriate multiplication facts; choose suitable multiplication and division strategies; represent and compare fractions; calculate with fractions at the appropriate level; and solve contextual problems.

SUMMER TERM | Measurement, Geometry and Statistics

Pupils investigate length, mass, capacity, perimeter, area, money and time. They identify the properties of shapes, recognise angles and line relationships, and explore symmetry and position. Data-handling activities introduce charts, tables and interpretation of information.

Learning objectives: Measure and calculate with appropriate units; investigate perimeter and area; recognise and classify geometrical properties; use age-appropriate coordinates and positional language; and present and interpret data.

Rolling Year B

AUTUMN TERM | Number Patterns and Arithmetic

Using fresh examples and investigations, pupils explore place-value patterns, number sequences, Roman numerals and mathematical puzzles. They revisit essential arithmetic, extending efficient mental methods, column calculations and multiplication and division reasoning, with tasks differentiated for Year 3 and Year 4.

Learning objectives: Investigate numerical patterns; strengthen knowledge of place value and number relationships; select and justify calculation methods; use estimation and inverse operations; and solve increasingly challenging arithmetic problems.

SPRING TERM | Fractions, Decimals and Measurement

Pupils develop their understanding of fractions as numbers and quantities, exploring equivalence and simple fraction calculations. Year 4 children extend this learning into hundredths and decimal notation, while all pupils revisit practical measurement, money, perimeter, area and time through new problem-solving contexts.

Learning objectives: Compare and calculate with age-appropriate fractions; connect tenths and hundredths with decimals where appropriate; measure and convert within expected year-group requirements; and solve problems involving money, time and area.

SUMMER TERM | Geometry, Data and Applied Mathematics

Children investigate two- and three-dimensional shapes, angles, symmetry, line relationships and position. They construct and interpret graphs, use mathematics to explore shopping, travel and timetables, and complete mathematical investigations combining number, measurement and reasoning.

Learning objectives: Describe and classify shapes; recognise angles and symmetry; use coordinates and translations at the appropriate level; represent and interpret data; and apply mathematical knowledge confidently to unfamiliar situations.

Our approach to teaching Mathematics

Our Monday and Wednesday lessons combine clear explanations, guided examples, reasoning and differentiated practice. We build fluency through regular revision and recommend independent practice between sessions. Parents can select individual lessons, several classes or a full term, while the structured two-year programme supports continued progress.