

Lamberhurst St Mary's Year 6 Maths Plan

TERMS 1 & 2

NUMBER Place Value (2 weeks)

Whole Numbers to 10,000,000

Numbers to 10 million
Place value
Comparing and rounding within 10,000,000
Rounding and estimating to nearest thousand
Negative numbers

NUMBER Addition, Subtraction, Multiplication and Division (5 weeks)

Four Operations

Addition, Subtraction of more than 4 digits
Multiply 4 digits by 2 digits
Short and long division
Common factors and multiples
Primes to 100
Square and cube numbers
Order of operations
Mental calculations
Reasoning from known facts

NUMBER Fractions (4 weeks)

Fractions

Adding and subtracting unlike fractions
Adding and subtracting mixed numbers
Word problems
Multiplying fractions by integers and fractions
Divide fractions by integers
Four rules with fractions
Fraction of an amount

GEOMETRY Position and Direction (1 week)

Position and Direction

The first quadrant
Four quadrants
Translations
Reflections

TERMS 3 & 4

NUMBER Decimals (2 weeks)

Fractions and Decimals

Converting fractions to decimals
Converting decimals to fractions
Multiplying and dividing by 10, 100, 1000

NUMBER Percentages (2 weeks)

Percentages

Per Cent
Converting fractions to percentages
Percentages of a quantity
Word problems
Equivalent FDP
Order FDP

NUMBER Algebra (2 weeks)

Algebra

Find a rule - 1 step and 2 steps
Substitution
Formulae
Forming equations
Solve 1 and 2 step problems
Find pairs of values

MEASUREMENT Converting Units (1 week)

Measurement

Converting a measure from a larger unit to smaller unit
Converting a measure from a smaller unit to larger unit
Miles and Kilometres
Imperial Measures

MEASUREMENT Perimeter, Area and Volume (2 weeks)

Area

Shapes - same area
Area and perimeter
Area of parallelogram
Base and height of triangle, finding area of triangle

Volume

Volume of cuboids

NUMBER Ratio (2 weeks)

Ratio

Finding Ratio
Equivalent ratios
Comparing 3 quantities

TERMS 5 & 6

STATISTICS (2 weeks)

Line Graphs, Pie Charts and Average

Read, interpret and draw line graphs
Use line graphs to solve problems
Circles
Read, interpret and draw Pie Charts
Pie Charts with percentages
Mean average

GEOMETRY Properties of shape (3 weeks)

Angles

Angles on a straight line and at a point
Vertically opposite angles
Finding unknown angles
Angles of triangle
Right angled, Isosceles and equilateral triangles
Parallelograms, Rhombuses and Trapeziums
Draw nets of 3D shapes