Maths

Early Years Owls

Number
Count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number.
Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer.
They solve problems, including doubling, halving and sharing.

Shape, Space and Measure
Use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.
Recognise, create and describe patterns.
Explore characteristics of everyday objects and shapes and use mathematical language to describe them.

Year 1 Starlings

Add/Subtract
Use number bonds and facts to 20. Add subtract 1 and 2 digit numbers to 20.

Multiplication/ Division
Count in 2's, 5's and 10's. Use objects to multiply and divide.

Measurement
Compare, describe, measure, record : length, height, mass, weight, capacity, volume.

Fractions
Find and name one half and one quarter of a shape and amount.

Time
O'clock and half past

Shape
Name 2D 3D common shapes

Year 2 Swallows

Addition and Subtraction
Two 2 digit numbers.
Addition is commutative.
Understand and use the inverse.

Multiplication/ Division
Recall and use facts for the 2,5,10 times tables.
Calculate multiplication and division statements.

Measurement
Compare and order using <>. Use £ and pence.
Make amounts in different ways.

Time
Read and write the time to the nearest 5 minutes.

Shape
Describe properties: edges, vertices, faces and symmetry.

Fractions
Find and name halves, thirds, quarters of shapes/amounts. ½ = 2/

Statistics:
Interpret and construct pictograms and bar charts.

Geometry:
Position, direction, movement.
half, quarter turns, right angles.

Year 3 Robins

Multiplication And Division
Recall and use 3,4,8 times tables. Calculate multiplication and division statements, introduce formal methods.

Measurement
measure, compare, add subtract: lengths (m/cm/mm); mass (kg/g);
volume/capacity (l/ml)

Time
Analogue and digital times, Roman numerals.

Add/Subtract
3 digit numbers using mental and formal methods

Fractions
Add subtract, compare, order unit non unit fractions

Shape
Describe properties: angles, parallel, perpendicular.

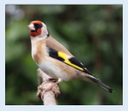
Statistics
Interpret and construct pictograms, tables bar charts

Geometry
Describe positions on the full coordinate grid in aa 4 quadrants
Draw and translate simple shapes and reflect them in the axis

Ratio and Proportion
Solve problems inc relative sizes of 2 quantities.
Calculate percentages.

Measurement
Convert compare between units up to 3DP
Convert between miles and KM
Use formula for area and volume
Area of triangles and parallelograms
Volume of cubes and cuboids

Year 4 Goldfinches



Measurement
Convert between units.
Calculate area and perimeter

Multiplication/Division
All tables up to 12x12
2 /3 digits times by 1 digit in formal methods.
Factor pairs

Add/Subtract
4 digit numbers using written methods

Geometry
2D coordinates in 1st quadrant
Translate shapes

Fractions
Equivalences, addition of fractions.
Decimals to 2dp

Shape
Classify polygons inc triangles
Identify acute / obtuse angles
Symmetry in variety of orientations

Statistics
Interpret /present discrete and continuous data

Year 5 Skylarks

Shape
Area perimeter of irregular shapes
Estimate volume and capacity

Fractions
Mixed number, improper fractions. Calculate, compare, order fractions.
Decimals to 3DP.
Percentages

Multiplication Division
Factor pairs and prime numbers.
4 digit written methods. X / by 10, 100, 1000

Addition subtraction
4 digit calculations mental and formal methods. Rounding to check accuracy,.

Shape
Measure and draw angles
Identify 3D from 2D representations

Geometry
Reflections and translations

Statistics
Comparison, sum, difference problems in line graphs and tables inc timetables

Year 6 Toucans

Fractions & Decimals
Add, subtract, multiply and divide fractions and decimals.

Calculations
Formal written methods of all 4 operations in multi step problems solving in different contexts.

Statistics
Construct and interpret pie charts and line graphs

Algebra
Use simple formula
Find numbers that satisfy an equation with unknown quantities

Shape
Draw 2D shapes from given dimensions, angles
Build 3D shapes using nets
Find unknown angles
Illustrate and name parts of circles

Lostock has a unique curriculum which aims to excite and challenge through knowledge-rich and purposeful exploration which is at the heart of the child.