Our Lanesfield Maths Journey

EYFS

EYFS - Number:
Children count reliably with numbers from 1 to 20. Order numbers, one more and one less. Using object add and subtract 1 digit numbers.

Number & Place Value:
Children count numbers to 100. They count in multiples of 2, 3, 5 and 10. They compare and order numbers from 0 up to 100 and recognise tens & ones.

Addition & Subtraction:
Children recall number bonds to 20 and use related facts to 100. They add and subtract 2-digit numbers to and use the inverse.

Shape, Space and Measure:
Children use quantities language to talk about size such as 'more' and ' a lot'.

Multiplication & Division:
Children recall and use multiplication and division facts for the 2, 5 and 10s.

Fractions:
Explore halves, quarters, thirds of length, shape and quantity.

Measure:
Compare and order lengths, mass and volume. Record using >, < and =. Recognise coins, notes and use symbols for pounds and pence.

Geometry:
Children recognise and name common 2-D and 3-D shapes.

We are a Teaching for Mastery school.

Teachers use Power Maths scheme and NCTEM Professional Development documents to support deep and sustainable mastery maths classes.

Lessons use concrete, pictorial and abstract model to teach for mastery.

Children partake in 'My Money Week' in order to gain the skills, knowledge and confidence in money matters to thrive in society.

We use 1:1 iPads to develop independence and ownership of learning.

TT Rockstars Club

Year 3

Fractions & Decimals:
Children count in tenths and hundredths. They explore unit and non-unit fractions. They also recognise the relationship between division, fractions and decimals.

Multiplication & Division:
Children recall multiplication and division facts for tables up to 12. They use known facts to solve calculations mentally and using formal methods.

Addition & Subtraction:
Add and subtract 3-digit numbers to 10s, 100s and 1000s mentally and using formal methods.

Number & Place Value:
Children count in multiples of 4, 6, 7, 8, 9, 25, 50, 100 and 1000. Round 10s, 100s and 1000s.

Year 4

Geometry:
Children identify acute, obtuse and right angles. They identify lines of symmetry in 2-D shapes and perpendicular and parallel lines.

Measure:
Children measure, compare, add and subtract: lengths, mass and volume/capacity. They measure and calculate the perimeter and area of rectilinear shapes.

Statistics:
Children interpret and present data using bar charts, pictograms, tables and time graphs.

Tackling Tables Scheme used to develop fluency of timestables.

Concrete resources used throughout the school during lessons.

TTRockstars used across school to develop fluency of timestable facts.

We us Century as a tool to support children engage with Maths independence, during interventions and as an assessment tool

Interschool Maths Competition

In school TTRockstars competitions

We have two Maths Leads and we are part of the SHaW Maths Hub that provides continuous CPD.

We partake in Interschool Maths competitions.

Parent Open sessions

Year 5

Year 6

Number – Place Value:
Children interpret negative numbers. They order and compare numbers up to 10 000000 and round any whole number to a required degree of accuracy.

Addition & Subtraction:
Children add and subtract mentally and through formal methods. They use rounding to check answers.

Fractions, Decimals & Percentages:
Children explore thousandths and relate them to tenths, hundredths and decimal Equivalents. They recall and use equivalences between simple fractions, decimals and percentages.

Algebra:
Children express missing number problems algebraically and use simple formulae.

Multiplication & Division:
Children multiply and divide whole numbers and decimals by 10, 100 and 1000. They multiply multi-digit numbers up to 4 digits by a one and two-digit numbers mentally and by using formal methods. They divide numbers up to 4 digits by a one and two-digit number using mental and formal methods.

Geometry:
Children illustrate and name parts of circles, including radius, diameter and circumference. They draw and measure given angles. They draw and translate simple shapes on the coordinate plane and reflect them in the axes.

Statistics:
Children interpret information in timetables and construct pie charts and line graphs. They also calculate mean as an average.

Ratio and Proportion:
Children solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.