Kilmorie Maths Year 4 Overview

Autumn

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13

Review of column addition and subtraction
- Identify addends, sum and correct layout in addition calculation
- Review regrouping in addition
- Review minuend and subtrahend in subtraction calculation
- Review regrouping in subtraction

Place value to 4 digits
- Use place value to compose numbers up to 2,000
- Add and subtract multiples of 100
- Apply knowledge of 1,000 to measure conversions
- Compare and order 4-digit numbers
- Round numbers to the nearest 1000, 100 and 10

Column addition and subtraction with 4-digit numbers

Perimeter
- Understand the concept of perimeter
- Use addition and multiplication to calculate perimeter

3, 6 and 9 times tables
- Counting in 3, 6 or 9 as the 3, 6 or 9 times table
- Relationships between adjacent multiples
- Relationships between multiples in different times tables

Spring

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3, 6 and 9 times tables
Continued

7 times table: odd and even patterns, square numbers and tests of divisibility
- Count in 7s and explain adjacent multiples
- Use known facts
- Identify and use odd and even patterns
- Represent square numbers

Multiplicative structures
- Understand and explain factors
- Partition factors to solve problems
- Use knowledge of the distributive law to solve problems

Multiplying and dividing by 10 and 100
- Understand the relationship between multiples of 10 / 100 and multiplying by 10 / 100
- Use and remove place holders when multiplying and dividing by 10 and 100
- Explain how scaling up factors and dividends affects the product and quotient

Coordinates
- Use coordinates to translate and draw polygons

Summer

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13

Review of fractions

Fractions greater than 1
- Compose and decompose mixed numbers
- Compare and order mixed numbers and position on a number line
- Addition and subtraction of fractions and mixed numbers (within a whole)
- Convert improper fractions to mixed numbers and vice versa
- Efficient strategies for adding and subtracting mixed numbers (crossing a whole)

Properties of 2D and 3D shapes and symmetry
- Explore, sort and classify triangles
- Explore symmetry
- Reflect polygons in a line of symmetry

Money
- Apply efficient strategies when calculating with money

Time
- Convert between 12 and 24 hour clocks: analogue and digital

Division with remainders
- Represent division by grouping and sharing
- Identify remainders and explain how they relate to the divisor
- Solve division problems