

Escomb Primary School Mathematics Curriculum (2020-21)

	Term 1 Autumn	Term 2 Spring	Term 3 Summer	Total Lessons/Hours 5 hours per week
Year 1	<p>Number/Calculation Count to / across 100. Count in 1s, 2s, 5s and 10s. Identify 'one more' and 'one less' . Read & write numbers to 20. Use language, e.g. 'more than', 'most'. Use +, - and = symbols. Know number bonds to 20. Add and subtract one-digit and two-digit numbers to 20, including zero. Solve one-step problems, including simple arrays</p> <p>Geometry & Measures Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest. Begin to measure length, capacity and weight. Recognise coins & notes. Use time & ordering vocabulary. Tell the time to hour/half-hour. Use language of days, weeks, months & years. Recognise & name common 2-d and 3-d shapes. Order & arrange objects. Describe position & movement, including half and quarter turns</p> <p>Fractions Recognise & use $\frac{1}{2}$ & $\frac{1}{4}$</p>			
Year 2	<p>Year 2</p> <p>Number/Calculation Know 2, 5, 10x tables. Begin to use place value. (T/U) Count in 2s, 3s, 5s & 10s. Identify, represent & estimate numbers. Compare / order numbers, inc. $< > =$. Write numbers to 100. Know number facts to 20 (+ related to 100) Use x and \div symbols. Recognise commutative property of multiplication</p> <p>Geometry & Measures Know and use standard measures. Read scales to nearest whole unit. Use symbols for £ and p and add/subtract simple sums of less than £1 or in pounds. Tell time to the nearest 5 minutes. Identify & sort 2-d & 3-d shapes. Identify 2-d shapes on 3-d surfaces. Order and arrange mathematical objects. Use terminology of position & movement</p> <p>Fractions Find and write simple fractions. Understand equivalence of e.g. $\frac{2}{4} = \frac{1}{2}$</p> <p>Data Interpret simple tables & pictograms. Ask & answer comparison questions. Ask & answer questions about totalling</p>			
Year 3	<p>Number/Calculation Learn 3, 4 & 8x tables. Secure place value to 100. Mentally add & subtract units, tens or hundreds to numbers of up to 3 digits. Written column addition & subtraction. Solve number problems, including multiplication & simple division and missing number problems. Use commutativity to help calculations</p> <p>Geometry & Measures Measure & calculate with metric measures. Measure simple perimeter. Add/subtract using money in context. Use Roman numerals up to XII; tell time. Calculate using simple time problems. Draw 2-d / Make 3-d shapes. Identify and use right angles. Identify horizontal, vertical, perpendicular and parallel lines.</p> <p>Fractions & decimals Use & count in tenths. Recognise, find & write fractions. Recognise some equivalent fractions. Add/subtract fractions up to <1. Order fractions with common denominator</p> <p>Data Interpret bar charts & pictograms</p>			
Year 4	<p>Number/Calculation Know all tables to 12×12. Secure place value to 1000. Use negative whole numbers Round numbers to nearest 10, 100 or 1000. Use Roman numerals to 100 (C). Column addition & subtraction up to 4 digits. Multiply & divide mentally. Use standard short multiplication.</p> <p>Geometry Compare 2-d shapes, including quadrilaterals & triangles. Identify acute, obtuse & right angles. Identify symmetry Use first quadrant coordinates. Introduce simple translations</p> <p>Measures Find area by counting squares. Calculate rectangle perimeters. Estimate & calculate measures</p> <p>Statistics/Data Use bar charts, pictograms & line graphs</p>			
Year 5	<p>Number/Calculation Secure place value to 1,000,000. Use negative whole numbers in context. Use Roman numerals to 1000 (M) Use standard written methods for all four operations. Confidently add & subtract mentally. Use vocabulary of prime, factor & multiple. Multiply & divide by powers of ten. Use square and cube numbers.</p> <p>Geometry & Measures Convert between different units. Calculate perimeter of composite shapes & area of rectangles. Estimate volume & capacity. Identify 3-d shapes. Measure & identify angles. Understand regular polygons. Reflect & translate shapes</p> <p>Data Interpret tables & line graphs. Solve questions about line graphs</p> <p>Fractions. Compare & order fractions. Add & subtract fractions with common denominators, with mixed numbers. Multiply fractions by units. Write decimals as fractions. Order & round decimal numbers. Link percentages to fractions & decimals..</p>			
Year 6	<p>Number/Calculation Secure place value & rounding to 10,000,000, including negatives. All written methods, including long division. Use order of operations (not indices). Identify factors, multiples & primes. Solve multi-step number problems</p> <p>Algebra Introduce simple use of unknowns.</p> <p>Geometry & Measures Confidently use a range of measures & conversions. Calculate area of triangles / parallelograms. Use area & volume formulas. Classify shapes by properties. Know and use angle rules. Translate & reflect shapes, using all four quadrants</p> <p>Data Use pie charts. Calculate mean averages</p> <p>Fractions, decimals & percentages Compare & simplify fractions. Use equivalents to add fractions. Multiply simple fractions. Divide fractions by whole numbers. Solve problems using decimals & percentages. Use written division up to 2dp. Introduce ratio & proportion</p>			