

Emerald Year 5/6 Medium Term Maths Plan

Emerald	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn first half	Place Value Roman Numerals to 1000 Numbers to 100,000 Numbers to 1,000,000 Read and write numbers to 1,000,000 Numbers to 10,000,000	Place Value Read and write numbers to 10,000,000 Powers of 10 Partition numbers to 10,000,000 Number line to 10,000,000 Compare and order any integers	Place Value Round within 100,000 Round any integer Count through zero Compare and order negative numbers Negative numbers	Addition and Subtraction Mental strategies Add integers Subtract integers Inverse operations and missing numbers Reason from known facts	Multiplication and Division Multiples Common multiples Factors Common Factors Rules of divisibility	Multiplication and Division Prime numbers Square and cube numbers Multiply 10, 100 and 1000 Divide by 10, 100 and 1000	Fractions Recognise equivalent fractions Equivalent fractions and simplifying Equivalent fractions on a number line Convert improper fractions to mixed numbers
Autumn second half	Fractions Convert mixed numbers to improper fractions Compare fractions (denominator) Compare fractions (numerator) Order fractions	Fractions Add and subtract fractions with the same denominator Add fractions where one denominator is a multiple of the other. Add any two fractions Add mixed numbers Subtract fractions where one denominator is a multiple of the other.	Fractions Subtract any two fractions Subtract from a mixed number Subtract from a mixed number-breaking the whole Subtract two mixed numbers Multi-step problems	Multiplication and Division Multiply a 2digit number by a 2-digit number multiply up to 4 -digit number by a 2-digit number Solve problems with multiplication Short division	Multiplication and Division Divide a 4-digitnumber by a 1-digit number Division using factors Introduction to long division Long division with remainders Solve problems with division	Multiplication and Division Efficient division Solve multi-step problems Order of operations Mental calculations and estimation Reason from known facts	Assessment Week
Spring first half	Fractions Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Multiply fractions by fractions	Fractions Divide a fraction by an integer Divide any fraction by an integer Fraction of an amount Fraction of an amount -find the whole	Decimals Decimals up to 2 decimal places Decimals up to 3 decimal places Place value-integers and decimals Order and compare decimals (same d.p.)	Decimals Order and compare decimals with up to 3 d.p. Round to the nearest whole number Round to 1 decimal place Round to 2 decimal places	Area, Perimeter and Volume Perimeter of rectangles and rectilinear shapes Area of rectangles Area of compound shapes Estimate area Area of triangles	Area, Perimeter and Volume Area of parallelograms Volume-cubic centimetres Volume of cuboid Compare volume Estimate volume and capacity	
Spring second half	Decimals Use known facts to add and subtract decimals within 1 Complements to 1 Add and subtract decimals across 1 Add decimals with the same number of d.p Subtract decimals with the same number of d.p	Decimals Add decimals with different numbers of d.p Subtract decimals with different numbers of d.p. Efficient strategies Decimal sequences Multiply by 10, 100 and 1000	Decimals Divide by 10, 100 and 1000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in contexts.	Fractions, decimals and percentages Equivalent fractions and decimals-tenths Equivalent fractions and decimals-Hundredths Equivalent fractions and decimals-thousandths Fractions as division Understanding percentages	Fractions, decimals and percentages Percentages as fractions Percentages as decimals Equivalent FDP Ordering FDP Percentages of amounts	Assessment week	
Summer first half	Ratio Add or multiply Use ratio language Ratio and fractions Use scale factors	Ratio Similar shapes Ratio problems Proportion problems	Algebra Function machines Form expressions Substitution Formulae	Algebra Form equations Solve equations Find pairs of values Solve problems with two unknowns	Shape Understand and use degrees Classify angles Measure angles Calculate angles around a point Calculate angles on a straight line	Shape Vertically opposite angles Angles in a triangle Angles in a triangle-special cases Angles in quadrilaterals	Shape Regular polygons Irregular polygons Circles Draw shapes 3-D shapes
Summer second half	Position and Direction The first quadrant Four quadrants Solve problems with co-ordinates	Position and Direction Translations Lines of Symmetry Reflections	Statistics Draw line graphs Read and interpret line graphs Bar charts Read and interpret tables Read and interpret timetables	Statistics Read and interpret pie charts Pie charts with percentages Draw pie charts The mean	Converting units Kilograms and kilometres Millimetres and millilitres Convert units of length Miles and kilometres	Converting Units Imperial measures Convert units of time Calculate with timetables.	