Emerald (Year 5/6) Medium Term Curriculum Map

Differentiation by input -*Resources:* **see the weekly planning** from White Rose scheme *Minimum Assessment for Learning strategies* for all topics
- Long term memory development strategies= Recapping pervious learning at the start of each new topic / Long term memory strategy linked to the objectives on this sheet for each

Emerald	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	**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 2	**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 1	**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 decimal place.)	**Decimals** Order and compare decimals with up to 3 decimal places. 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 2	**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 decimal places Subtract decimals with the same number of decimal places	**Decimals** Add decimals with different numbers of decimal place Subtract decimals with different numbers of decimal place. 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 1	**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 2	**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.	