Oak Maths LTP 24-25

	Aut 1	Aut 2	Spring 1	Spring 2	Sum 1	Sum 2
Maths Year 5 and 6	**Place Value (3 weeks)** - Roman numerals to 1,000 - Numbers to 100,000, 1,000,000 & 10,000,000 - Read & write numbers to 1,000,000 & 10,000,000 - Powers of 10 - Partition numbers to 10,000,000 - Number line to 10,000,000 - Compare & order any integers - Round within 100,000 - Round any integer - Count through zero - Compare & order negative numbers - Negative numbers **Addition and Subtraction (1 week)** - Mental strategies - Add integers - Subtract integers - Inverse operations & missing numbers - Reason from known facts **Multiplication and Division A (2 weeks)** - Multiples & common multiples - Factors & common factors - Rules of divisibility - Prime numbers - Square & cube numbers - Multiply & divide by 10, 100 & 1,000 **Fractions A (2 weeks)** - Recognise equivalent fractions - Equivalent fractions and simplifying - Equivalent fractions on a number line - Converting mixed number & improper fractions - Compare fractions - Order fractions	**Fractions A (2 weeks)** - Add & subtract fractions (same denominator & denominators that are multiples of each other) - Add & subtract any 2 fractions - Add mixed numbers - Subtract from a mixed number - Subtract 2 mixed numbers - Multi step problems **Multiplication and Division B (3 weeks)** - Multiply 2- & 4-digit numbers by a 2-digit number - Solve problems with multiplication - Short division - Division using factors - Long division including remainders - Solve problems with division - Efficient division - Solve multi step problems - Order of operations - Mental calculations & estimation - Reason from known facts **Fractions B (2 weeks)** - Multiply a unit & non unit fraction by an integer - Multiply a mixed number by an integer - Multiply fractions by fractions - Divide fractions by an integer - Fraction of an amount - Fraction of an amount; find the whole	**Decimals A (2 weeks)** - Decimals up to 2 & 3 decimal places - Place value; integers & decimals - Order & compare decimals; up to 3 decimal places - Round to the nearest whole number - Round to 1 & 2 decimal places **Area, Perimeter and Volume (2 weeks)** - Perimeter of rectangles & rectilinear shapes - Area of rectangles & compound shapes - Estimate area - Area of triangles & parallelograms - Volume – cubic centimetres - Volume of a cuboid - Compare volume **Decimals B (2 weeks)** - Add & subtract decimals across 1 - Add & subtract decimals with the same & different numbers of decimal places - Efficient strategies - Decimal sequences - Multiply by 10, 100 & 1,000 - Divide by 10, 100 & 1,000	**Decimals B (1 week)** - Multiply decimals by integers - Divide decimals by integers - Multiply & divide decimals in context **FDP (2 weeks)** - Equivalent fractions & decimals – tenths, hundredths & thousandths - Fractions as division - Understand percentages - Percentages as fractions & decimals - Equivalent FDP - Order FDP - Percentages of an amount **Ratio (1 ½ weeks)** - Add or multiply? - Use ratio language - Ratio & fractions - Use scale factors - Similar shapes - Ratio problems - Proportion problems **Algebra (1 ½ weeks)** - Function machines - Form expressions - Substitution - Formulae - Form equations - Solve equation - Find pairs of values - Solve problems with two unknowns	**Shape (3 weeks)** - Degrees - Classify angles - Measure angles - Calculate angles around a point - Calculate angles on a straight line - Vertically opposite angles - Angles in a triangle; including missing angles - Angles in a triangle; special cases - Angles in quadrilaterals - Regular & irregular polygons - Circles - Draw shapes - 3D shapes **Position and Direction (2 weeks)** - The first quadrant - Four quadrants - Solve problems with coordinates - Translations - Lines of symmetry - reflections	**Statistics (2 weeks)** - Draw line graphs - Read & interpret line graphs - Bar charts including dual bar charts - Tables including 2-way tables - Timetables - Read & interpret pie charts - Pie charts with percentages - Draw pie charts - The mean **Converting units (2 weeks)** - kg & km - mm & ml - convert metric units - miles & kilometres - imperial measures - convert units of time - calculate with timetables **Revision and Consolidation** - Identify areas of weakness and revisit and consolidate them