PLACE VALUE

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value: Counting	- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number - Count numbers to 100 in numerals; count in multiples of 2s, 5s and 10s Autumn 1, Spring 1, Summer 2	- Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward Autumn 1	- Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number Autumn 1, Spring 1	- Count in multiples of 6, 7, 9, 25 and 1000 - Count backwards through zero to include negative numbers Autumn 1, Spring 1	- Count forwards or backwards in steps of powers of 10 for any given number up to one million - Count forwards and backwards with positive and negative whole numbers, including through zero Autumn 1,	
Place Value: Represent	- Identify and represent numbers using objects and pictorial representations - Read and write numbers to 100 in numerals - Read and write numbers from 1 to 20 in numerals and words Autumn 1, Spring 1, Summer 2	- Read and write numbers to at least 100 in numerals and in words - Identify, represent and estimate numbers using different representations, including the number line Autumn 1	- Identify, represent and estimate numbers using different representations - Read and write numbers up to 1000 in numerals and in words Autumn 1	- Identify, represent and estimate numbers using different representations - Read Roman Numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value Autumn 1	- Read, write, (order and compare) numbers to at least one million and determine the value of each digit - Read Roman Numerals to 1000 (M) and recognise years written in Roman numerals Autumn 1	- Read, write, (order and compare) numbers up to ten million and determine the value of each digit Autumn 1

PLACE VALUE

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Place Value: Use PV and Compare	- Given a number, identify one more and one less Autumn 1	- Recognise the place value of each digit in a two-digit number (tens and ones) - Compare and order numbers from 0 up to 100; use <, > and = signs Autumn 1	- Recognise the place value of each digit in a three-digit number (hundreds, tens and ones) - Compare and order numbers up to 1000 Autumn 1	- Find 1000 more or less than a given number - Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones) - Order and compare numbers beyond 1000 Autumn 1	- (Read, write) Order and compare numbers to at least one million and determine the value of each digit Autumn 1	- (Read, write) Order and compare numbers to at least ten million and determine the value of each digit Autumn 1
Place Value: Problems & Rounding		- Use place value and number facts to solve problems Autumn 1, Autumn 2	- Solve number problems and practical problems involving these ideas Autumn 1, Autumn 2	- Round any number to the nearest 10, 100 or 1000 - Solve number and practical problems that involve all of the above and with increasingly large numbers Autumn 1, Autumn 2	- Interpret negative numbers in context - Round any number up to one million to the nearest 10, 100, 1000, 10 000 and 100 000 - Solve number problems and practical problems that involve all of the above Autumn 1, Autumn 2	- Round any whole number to a required degree of accuracy - Use negative numbers in context, and calculate intervals across zero - Solve number and practical problems that involve all of the abouve Autumn 1, Autumn 2

ADDITION AND SUBTRACTION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and Subtraction: Recall, Represent, Use	- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs - Represent and use number bonds and related subtraction facts within 20	- Recall and use addition and subtraction facts to 20 fluently, and use related facts up to 100 - Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	- Estimate the answer to a calculation and use inverse operations to check answers	- Estimate and use inverse operations to check answers to a calculation	- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	
	Autumn 2, Spring 1	Autumn 2	Autumn 2	Autumn 2	Autumn 2	

ADDITION AND SUBTRACTION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and Subtraction: Calculations	- Add and subtract one-digit and two-digit numbers to 20, including zero	- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: > a two-digit number and ones > a two-digit number and tens > two two-digit numbers > adding three on-digit numbers	- Add and subtract numbers mentally, including: > a three-digit number and ones > a three-digit number and tens > a three-digit number and hundreds - Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	- Add and subtract numbers with up to four digits using formal written methods of columnar addition and subtraction where appropriate	- Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction) - Add and subtract numbers mentally with increasingly large numbers	- Perform mental calculations, including with mixed operations and large numbers - Use their knowledge of the order of operations to carry out calculations involving the four operations
	Autumn 2, Spring 1	Autumn 2	Autumn 2	Autumn 2	Autumn 2	Autumn 2

ADDITION AND SUBTRACTION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and Subtraction: Solve Problems	- Solve one-step problems that involve addition and subtractions, using concrete objects and pictorial representations, and missing number problems such as 7 = - 9 Autumn 2, Spring 1	- Solve problems with addition and subtraction: > using concrete objects and pictorial representations, including those involving numbers, quantities and measures > applying their increasing knowledge of mental and written methods Autumn 2	- Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction Autumn 2	- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why Autumn 2	- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why - Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign Autumn 2, Spring 1	- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Autumn 2

MULTIPLICATION AND DIVISION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication and Division: Recall, Represent, Use		- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers - Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	- Recall and use multiplication and division facts for the 2, 4, 8 and 11 multiplication tables	- Recall multiplication and division facts tor multiplication tables up to 12 x 12 - Use place value known and derived facts to multiply and divide mentally, including: multiplying and dividing by 1; multiplying by 0; multiplying together three numbers - Recognise and use factor pairs and commutativity in mental calculations	- Identify multiples and factors, including all factor pairs of a number, and common factors of two numbers - Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers - Establish whether a number up to 100 is prime and recall prime numbers up to 19 - Recognise and use squared numbers and cube numbers, and the notation for each	- Identify common factors, common multiples and prime numbers - Use estimation to check answers to calculation and determine, in the context of a problem, an appropriate degree of accuracy
		Spring 1	Spring 1	Spring 1	Autumn 2	Autumn 2

MULTIPLICATION AND DIVISION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication and Division: Calculations		- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs Spring 1	- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progression to formal written methods Spring 1, Spring 2	- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Spring 1	- Multiply numbers up to four-digits by a one-digit number using a formal written method, including long multiplication to two-digit numbers - Multiply and divide numbers mentally drawing upon known facts - Divide numbers up to four digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context - Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 Spring 1	- Multiply numbers up to four digits by a two-digit number using the formal written method of long multiplication - Divide numbers up to four digits by a two-digit numbers using the formal written method of long division and interpret remainders as whole number remainders, fractions or rounding appropriately for the context - Divide numbers up to four digits by a two-digit numbers using the formal written method of short division and interpret remainders appropriately for the context - Perform mental calculations, including with mixed operations and large numbers Autumn 2

Multiplication and Division Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication and Division: Solve Problems	- Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher Spring 2	- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts Spring 1	- Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects Spring 2	- Solve problems involving multiplying and dividing, including using the distributive law to multiply two-digit numbers by one-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects Spring 1	- Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes - Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates Spring 1	- Solve problems involving addition, subtraction, multiplication and division Autumn 2
Multiplication and Division: Combined Operations					- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign Autumn 2, Spring 1	- Use their knowledge of the order of operations to carry out calculations involving the four operations Autumn 2

FRACTIONS, DECIMALS, PERCENTAGES

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions: Recognise and Write	- Recognise, find and name a half as one of two equal parts of an object, shape or quantity - recognise, find and name a quarter as one of four equal parts of an object, shape or quantity Summer 1	- Recognise, find, name and write fractions ⅓, ¼, ²⁄₄ and ¾ of a length, shape, set of objects or quantity Summer 1	- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 - Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators - Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators Summer 1	- count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten Spring 2	- identify, name and write equivalnet fractions of a given fractions, represented visually, including tenths and hundredths - Recognise mixed numbers and improper fractions and convert from one form to the other and write mathemeatical statements >1 as a mixed number. e.g. ²⁄₅ + ⁴⁄₅ = ⁶⁄₅ = 1 ⅕ Spring 2	

FRACTIONS, DECIMALS, PERCENTAGES

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions: Compare		- Recognise the equivalence of ²⁄₄ and ½ Summer 1	- Recognise and show, using diagrams, equivalent fractions with small denominators - Compare and order unit fractions, and fractions with the same denominators Summer 1	- Recognise and show, using diagrams, families of common equivalent fractions Spring 2	- Compare and order fractions whose denominators are all multiples of the same number Spring 1	- Use common dactors to simplify fractions; use common multiples to express fractions in the same denomination - Compare and order fractions, including fractions >1 Spring 1
Fractions: Calculations		- Write simple fractions for example, ½ of 6 = 3 Summer 1	- Add and subtract fractions with the same denominator within one whole [for example, ⁵⁄₇ + ¹⁄₇ = ⁶⁄₇] Summer 1	- Add and subtract fractions with the same denominator Spring 2	- Add and subtract fractions with the same denominator and denominators that are multiples of the same number - Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Spring 2	- Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions - Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, ¼ x ½ = ⅛] - Divide proper fractions by whole numbers [for example ⅓ ÷ 2 = ⅙] Spring 1

FRACTIONS, DECIMALS, PERCENTAGES

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions: Solve Problems			- Solve problems that involve all of the above Summer 1	- Solve problems involving increasingly harder fractions to calculate quantitites, and fractions to divide quantities, including non-unit fractions where the answer is a whole number Spring 2		
Decimals: Recognise and Write				- Recognise and write decimal equivalents of any numer of tenths or hundredths - recognise and write decimal equivalents to ¼, ½, ¾ Summer 1	- Read and write decimal nubers as fractions [for example 0.71=$^{71}/_{100}$] - Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Summer 1	- Identify the value of each digit in numbers given to three decimal places Autumn 1, Spring 1

FRACTIONS, DECIMALS, PERCENTAGES

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Decimals: Compare				- Round decimals with one decimal place to the nearest whole number - Compare numbers with the same number of decimal places up to two decimal places Summer 1	- Round decimals with two decimal places to the nearest whole number and to one decimal place - Read, write, order and compare numbers with up to three decimal places Summer 1	
Decimals: Calculations and Problems				- Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Summer 1	- Solve problems involving number up to three decimal places Summer 1	- Multiply and divide numbers by 10,100 and 1000 giving answers up to three decimal places - Multiply one-digit numbers with up to two decimal places by whole numbers - Use written division methods in cases where the answer has up to two decimal places - Solve problems which require answers to be rounded to specified degrees of accuracy Autumn 1, Spring 1

FRACTIONS, DECIMALS, PERCENTAGES

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions, Decimals and Percentages				- Solve simple measure and money problems involving fractions and decimals to two decimal places Summer 1	- Recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal - Solve problems which require knowing percentage and decimal equivalents of ½, ¼, ⅕, ⅖, ⅘ and those fractions with a denominator of a multiple of 10 or 25 Summer 1	- Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, ⅜] - Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts Spring 1, Spring 2

RATIO AND PROPORTION

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Ratio and Proportion						- Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts - Solve problems involving the calculation of percentages [for example of measures, and such as 15% of 360] and the use of percentages for comparision - Solve problems involving similar shapes where the scale factor is known or can be found - Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples Taught through Maths Skills

ALGEBRA Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algebra	- Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9 Autumn 2, Spring 2	- Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems Autumn 2, Spring 1	- Solve problems, including missing number problems Autumn 2, Spring 2			- Use simple formulae - Generate and describe linear number sequences - Express missing number problems algebraically - Find pairs of numbers that satisfy an equation with two unknowns - Enumerate possibilities of combinations of two variables Summer 1

Note - although algebraic notation is not introduced until Year 6, algebraic thinking starts much earlier as exemplified by the 'missing number' objectives from Years 1, 2 and 3

MEASUREMENT Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement: Using Measures	- Compare, describe and solve practical problems of: > lengths and heights [for example long/short, longer/shorter, tall/short, double/half] > mass/weight [for example, heavy/light, heavier than, lighter than] > capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] > time [for example, quicker, slower, earlier, later] - Measure and begin to record the following: > lengths and heights > mass/weight > capacity and volume > time (hours, minutes, seconds)	- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (C); capacity (litres/ml) to the nearest appropriate unit, using rules, scales, thermometers and measuring vessels - Compare and order lengths, mass, volume/capacity and record the results using <, > and =	- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	- Convert between different units of measure (for example, kilometre to metre; hour to minute) - estimate compare and calculate different measures	- Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) - Understand and use apprximate equivalences between metric units and common imperial units such as inches, pounds and pints - Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling	- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate - Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places - Convert between miles and kilometres
	Summer 1	Spring 2	Summer 2	Autumn 2, Spring 1	Summer 2	Summer 2

MEASUREMENT Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement: Money	- Recognise and know the value of different denominations of coins and notes	- Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value - Find different combinations of coins that equal the same amount of money - Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	- Add and subtract amounts of money to give change, using both £ and p in practical contexts	- Estimate, compare and calculate different measures, including money in pounds and pence	- Use all four operations to solve problems involving measure [for example, money]	

Money is taught through Econmics as part of our Money Mondays

MEASUREMENT Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement: Time	- Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] - Recognise and use language relating to dates, including days of the week, weeks, months and years - Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times	- Compare and sequence intervals of time - Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times - Know the number of minutes in an hour and the number of hours in a day	- Tell and write the time from an analogue clock, including using Roman Numerals from I to XII, and 12-hour and 24-hour clocks - Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight - Know the number of seconds in a minute and the number of days in each month, year and leap year - Compare durations of events [for example to calculate the time taken by particular events or tasks]	- Read, write and convert time between analogue and digital 12- and 24-hour clocks - Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	- Solve problems involving converting between units of time	- Use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa

Time is taught as part of our Life Skills days

MEASUREMENT

Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measurement: Perimeter, Area and Volume			- Measure the perimeter of simple 2D shapes Summer 2	- MeSummer 1 Spring 2 Summer 2 Autumn 2, Spring 1 Summer 2 Summer 2 asure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres - Find the area of rectilinear shapes by counting squares Autumn 2, Spring 1	- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres - calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes - Estimate volume [for example, using 1cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] Summer 2	- Recognise that shapes with the same areas canhave different perimeters and vice versa - Recognise when it ispossible to use formulaefor area and volume of shape - Calculate the area of parallelograms and triangles - calculate, estimate and comapre volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3] Summer 2

GEOMETRY Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry: 2D shapes	- Recognise and name common 2D shapes [for example, rectangles (including squares), circles and triangles] Summer 1	- Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line - Identify 2D shapes on the surface of 3D shapes, [for example, a circle on a cylinder and a tiangle one a pyramid] - Compare and sort common 2D shapes and everyday objects Summer 2	- Draw 2D shapes Summer 2	- Comapre and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes - Identify lines of symmetry in 2D shapes presented in different orientations Summer 2	- distinguish between regular and irregular polygons based on reasoning about equal sides and angles - Use the properties of rectangles to deduce related facts and find missing lengths and angles Summer 2	- Draw 2D shapes using given dimensions and angles - Compare and classify geometric shapes based on their properties and sizes - Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Summer 2
Geometry: 3D shapes	- Recognise and name common 3D shapes [for example, cuboids (including cubes), pyramids and spheres] Summer 1	- Recognise and name common 3D shapes [for example, cuboids (including cubes), pyramids and spheres] - Compare and sort common 3D shapes and everyday objects Summer 2	- Make 3D shapes using modelling materials; recognise 3D shapes in different orientations and dscribe them Summer 2		- Identify 3D shapes, including cubes and other cuboids, from 2D representations Summer 2	- Recognise, describe and build simple 3D shapes, including making nets Summer 2

GEOMETRY Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry: Angles and Lines			- Recognise angles as a property of shape or a description of a turn - Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle - Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	- Identify acute and obtuse angles and compare and order angles up to two right angles by size - Identify lines of symmetry in 2D shapes presented in different orientations - Complete a simple symmetric figure with respect to a specific line of symmetry	- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles - Draw given angles, and measure them in degrees - Identify: > angles at a point and one whole turn (total 360 degrees) > angles at a point on a straight line and ½ a turn (total 180 degrees) > Other multiples of 90 degrees	- Find unknown angles in any triangles, quadrilaterals and regular polygons - Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
			Summer 2	Summer 2	Summer 2	Summer 2

GEOMETRY Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry: Position and Direction	- Describe position, direction and movement, including whole, half, quarter and three-quarter turns Summer 1	- Order and arrange combinations of mathematical objects in patterns and sequences - Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise) Summer 2		- Describe positions on a 2D grid as coordinates in the first quadrant - Describe movements between positions as translations of a given unit to the left/right and up/down - Plot specified points and draw sides to complete a given polygon Summer 2	- Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed Summer 2	- Describe positions on the full coordinate grid (all four quadrants) - Draw and translate simple shapes on the coordinate plane, and reflect them in the axis Summer 2

STATISTICS Maths Progression at Wren's Nest

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Statistics: Present and Interpret		- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables Summer 1	- Interpret and present data using bar charts, pictograms and tables Taught in Maths Skills	- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Summer 2	- Complete, read and interpret information in tables, including timetables Taught in Life Skills	- Interpret and construct pie charts and line graphs and use these to solve problems Summer 1
Statistics: Solve Problems		- Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity - Ask and answer questions about totalling and comparing categorical data Summer 1	- Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables Taught in Maths Skills	- Solve comparison, sum and difference problems using information resented in bar charts, pictograms, tables and other graphs Summer 2	- Solve comparison, sum and difference problems using information presented in a line graph Taught in Maths Skills	- Calculate and interpret the mean as an average Summer 1