

Maths Curriculum Plan

<u>Faculty curriculum intent</u>: Mathematics teaches us how to make sense of the world around us. Through developing a child's ability to calculate, to reason and to solve problems it enables children to understand and appreciate relationships and pattern in both number and space in their everyday lives. Through their growing knowledge and understanding, children learn to appreciate the contribution made by many people to the development and application of mathematics.

PER ARDUA AD ALTA

The Calder Learning Trust

Objectives covered for the first time

Objectives covered for the second time

Objectives covered for the third time

Objectives covered for the fourth time

Objectives covered for the fifth time

Objectives covered for the sixth time

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Getting to know you	It's me 1, 2, 3!	Alive in 5!	Growing 6, 7, 8	To 20 and beyond	Find my pattern
Just like me	Light & Dark	Growing 6, 7, 8	Building 9 & 10	First, then, now	On the move
Just like me Number (match and sort; compare amounts) Count objects, actions and sounds Compare numbers Measurement and spatial thinking (Compare size, mass & capacity; exploring pattern) Continue, copy and create repeating patterns Compare length, weight and capacity	Number (representing and comparing 1, 2, 3; composition of 1, 2, 3; representing numbers to 5; one more and less) Count objects, actions and sounds Subitise (recognise quantities without counting) Link the number symbol (numeral) with its cardinal number value Compare numbers Explore the composition of numbers to 10 Measurement and spatial thinking (Circles and triangles; positional language; shapes with 4 sides; time) Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can	Mumber (introducing zero; comparing numbers to 5; composition of 4 and 5; introducing comparing and composing 6, 7, 8) Count objects, actions and sounds Subitise (recognise quantities without counting) Link the number symbol (numeral) with its cardinal number value Compare numbers Explore the composition of numbers to 10 Measurement and spatial thinking (compare mass; compare capacity; length and height) Compare length, weight and capacity	Number (making pairs, combining 2 groups; introducing, comparing and composing 9 and 10; comparing numbers to 10; bonds to 10) Count objects, actions and sounds Subitise (recognise quantities without counting) Link the number symbol (numeral) with its cardinal number value Compare numbers Explore the composition of numbers to 10 Automatically recall number bonds for numbers 0-10 Measurement and spatial thinking (time; 3D shape; pattern) Continue, copy and create repeating patterns Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can	Number (building numbers beyond 10; counting patterns beyond 10; adding more; taking away) Count objects, actions and sounds Subitise (recognise quantities without counting) Link the number symbol (numeral) with its cardinal number value Compare numbers Count beyond 10 Understand the 'one more than/one less than' relationship between consecutive numbers Continue, copy and create repeating patterns Measurement and spatial thinking (spatial reasoning; match, rotate, manipulate, compose and decompose) Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can	Number (doubling; sharing and grouping; even and odd; deepening understanding; patterns and relationships) Count objects, actions and sounds Subitise (recognise quantities without counting) Link the number symbol (numeral) with its cardinal number value Compare numbers Count beyond 10 Understand the 'one more than/one less than' relationship between consecutive numbers Measurement and spatial thinking (spatial reasoning; visualise and build; mapping) Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can Continue, copy and create repeating patterns Compare length, weight and
	Getting to know you Just like me Number (match and sort; compare amounts) Count objects, actions and sounds Compare numbers Measurement and spatial thinking (Compare size, mass & capacity; exploring pattern) Continue, copy and create repeating patterns Compare length, weight and	Getting to know you Just like me Number (match and sort; compare amounts) Count objects, actions and sounds Compare numbers Measurement and spatial thinking (Compare size, mass & capacity; exploring pattern) Continue, copy and create repeating patterns Compare length, weight and capacity Compare size, mass & capacity; exploring patterns Compare length, weight and capacity Measurement and spatial thinking (Circles and triangles; positional language; shapes with 4 sides; time) Measurement and spatial thinking (Circles and triangles; positional language; shapes with 4 sides; time) Select, rotate and manipulate shapes in order to develop spatial reasoning skills Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as	Setting to know you	Setting to know you It's me 1, 2, 3! Light & Dark Light & Dark Light & Dark Growing 6, 7, 8 Building 9 & 10	Getting to know you

Objectives for Early Years are taken from the 'Development Matters' curriculum guidance. These will help children to develop their mathematical knowledge in order to achieve their Early Learning Goals, which are as follows:

Number: Have a deep understanding of number to 10, including the composition of each number; subitise up to 5; automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10 (including doubling facts).

<u>Numerical patterns</u>: verbally count beyond 20 recognising the pattern of the counting system; compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity; explore and represent patterns in numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Place Value to 20	Place Value to 50	Place Value to 100	Fractions	Place Value recap	Four operations recap
	Addition and Subtraction	Addition and Subtraction	Division	Shape	Position and direction	Volume
	Money	Multiplication	Length and height	·	Weight and time	
Year 1	 Count to and across 100, forwards and backwards beginning with 0 or 1, from any given number Count number to 100 in numerals; count in multiples of 2, 5 and 10 Identify and represent numbers using objects and pictorial representations Read and write numbers from 1 to 20 in numerals and words Given a number identify one more and one less Read write and interpret mathematical statements involving addition, subtraction and equals signs Represent and use number bonds and related subtraction facts within 20 Recognise and know the value of different denominations of coins and notes. 	 Count to and across 100, forwards and backwards beginning with 0 or 1, from any given number Count number to 100 in numerals; count in multiples of 2, 5 and 10 Identify and represent numbers using objects and pictorial representations Read and write numbers from 1 to 20 in numerals and words Given a number identify one more and one less Read write and interpret mathematical statements involving addition, subtraction and equals signs Represent and use number bonds and related subtraction facts within 20 Add and subtract one digit and two digit numbers to 20, including zero. Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = 9 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 	 Count to and across 100, forwards and backwards beginning with 0 or 1, from any given number Count number to 100 in numerals; count in multiples of 2, 5 and 10 Identify and represent numbers using objects and pictorial representations Read and write numbers from 1 to 20 in numerals and words Given a number identify one more and one less 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 Compare, describe and solve practical problems for lengths and heights. Measure and begin to record lengths and heights. 	 Recognise, find and name a half as one of two equal parts of on object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. Recognise and name common 2D shapes. Recognise and name common 3D shapes. 	 Count to and across 100, forwards and backwards beginning with 0 or 1, from any given number Count number to 100 in numerals; count in multiples of 2, 5 and 10 Identify and represent numbers using objects and pictorial representations Read and write numbers from 1 to 20 in numerals and words Given a number identify one more and one less Compare, describe and solve practical problems for mass/weight. Measure and begin to record mass/weight. Compare, describe and solve practical problems for time Measure and begin to record time (hours, seconds, minutes) Sequence events in chronological order using language (today, yesterday, morning, afternoon, first, next) Recognise and use language relating to dates, including days of the week, 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. Describe position, direction and movement including whole, half, quarter and three-quarter turns. 	 Read write and interpret mathematical statements involving addition, subtraction and equals signs Represent and use number bonds and related subtraction facts within 20 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 Add and subtract one digit and two digit numbers to 20, including zero. Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = 9 Compare, describe and solve practical problems for capacity and volume. Measure and begin to record capacity and volume.

	<u>Autumn 1</u>	<u>Autumn 2</u>	Spring 1	Spring 2	Summer 1	Summer 2
	Place value	Subtraction	Multiplication & division	Fractions	Decimals (including money)	Statistics
	Addition	Multiplication & division	Length and perimeter	Mass	Time	Shape
			Fractions	Capacity	Statistics	
Year 3	Place value Addition Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. Identify, represent and estimate numbers using different representations Read and write numbers up to 1000 in numerals and words Recognise the place value of each digit in a three digit number (hundred, tens and ones) Compare and order numbers up to 1000 Solve number problems and practical problems involving rounding Estimate the answer to a calculation and use the inverse to check Add and subtract numbers up to 3 digits, using formal written methods of columnar addition and subtraction. Solve problems including missing number problems using number facts, place value, and more complex addition and subtraction Add and subtract numbers mentally including: A 3 digit number and ones A 3 digit number and tens A 3 digit number and	Subtraction Multiplication & division Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. Read and write numbers up to 1000 in numerals and words Recognise the place value of each digit in a three digit number (hundred, tens and ones) Estimate the answer to a calculation and use the inverse to check Add and subtract numbers up to 3 digits, using formal written methods of columnar addition and subtraction. Solve problems including missing number problems using number facts, place value, and more complex addition and subtraction Add and subtract numbers mentally including: A 3 digit number and ones A 3 digit number and tens A 3 digit number and tens Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that	 Multiplication & division Length and perimeter	Fractions Mass	Decimals (including money) Time	Statistics
	hundreds.	they know, including for 2 digit numbers times 1 digit numbers, using mental and progressing to formal written methods.	 with small denominators Compare and order unit fractions and fractions with the same denominators Measure, compare, add and subtract lengths (m/cm/mm) Measure the perimeter of simple 2D shapes 			

Autum	n 1 Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Place va	alue Subtraction	Multiplication & division	Fractions	Decimals (including money)	Statistics
Additi	on Multiplication & division	Length, perimeter and area	Decimals	Time	Shape
		Fractions		Statistics	Position and direction
Count in multiple and 1000 Count backward to include negative include negative representations Read roman numbers using descriptions Read roman numbers using descriptions Read roman numbers as include the concept of the pleach digit in a forest (thousands, humones) Year 4 Year 4 Year 4 Year 4 Year 5 Year 6 Year 9 Ye	and 1000 Count backwards through zero to include negative numbers ent and estimate different Deferent Count backwards through zero to include negative numbers Estimate and use inverse operations to check calculation Add and subtract numbers wit up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate Solve addition and subtraction two step problems in contexts deciding which operations and methods to use and why Recall multiplication and divise facts for multiplication tables to 12 x 12 Recognise and use factor pairs and commutativity in mental calculations Use place value, known and derived facts to multiply and divide mentally including: Multiplying by 0 and 1 Dividing by 1 Multiplying together 3 digit numbers with ng the formal of columnar obtraction where Multiply 2 digit numbers and digit numbers by a 1 digit number using formal written layout Solve problems involving multiplying and dividing, including using the distributive law to multiply 2 digit numbers Multiply 2 digit numbers and digit numbers by a 1 digit number using formal written layout Solve problems involving multiplying and dividing, including using the distributive law to multiply 2 digit numbers	facts for multiplication tables up to 12 x 12 Recognise and use factor pairs and commutativity in mental calculations Multiply 2 digit numbers and 3 digit numbers by a 1 digit number using formal written layout Solve problems involving multiplying and dividing, including using the distributive law to multiply 2 digit numbers by one digit; integer scaling problems and harder correspondence problems such as n objects are connected to m objects Convert between different units of the appropriate measure Estimate, compare and calculate different measures Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m Find the area of rectilinear shapes by counting squares Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10. Add and subtract fractions with the same denominator Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities,	 Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10. Add and subtract fractions with the same denominator Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to 1/4, 1/2 and 3/4 Solve simple measure and money problems involving fractions and decimals to 2 decimal places 	 Convert between different units of the appropriate measure Solve simple measure and money problems involving fractions and decimals to 2 decimal places Estimate, compare and calculate different measures Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10. Round decimals with one decimals place to the nearest whole number Compare numbers with the same number of decimal places up to 2 decimal places Find the effect of dividing a 1 or 2 digit number by 10 and 100, identifying the value of the digits in answers as ones, tenths and hundredths Estimate, compare and calculate different measures, including money in pounds and pence 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 Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time/lie graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 	 Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time/lie graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs Compare 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 Identify acute and obtuse angles and compare and order angles up to 2 right angles by size Identify lines of symmetry in 2D shapes presented in different orientations 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 give polygon

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Place value	Four operations	Fractions	Converting units	Shape	Fractions & decimals recap
	Four operations	Fractions	Decimals	Perimeter, area & volume	Position & direction	
		Tractions	Percentages	Statistics	Four operations re-cap	
Year 5	 Count forwards or back in steps of powers of 10 for any given number up to 1,000,000 Count forwards and back with positive and negative whole numbers, including through zero Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit Read roman numerals to 1000 (M) and recognise years written in roman numerals Interpret negative numbers in context Round any number up to 1,000,000 to the nearest 10/100/1000/10,000 or 100,000 Use rounding to check answers Add and subtract whole numbers with more than 4 digits including using formal written methods Add/ subtract mentally with increasingly large numbers Solve addition and subtraction multi-step problems in contexts, deciding which operation to use and why Identify multiples and factors of a number and common factors of 2 given numbers Know and use the vocabulary of prime and non-prime (composite) numbers Establish if a number up to 100 is a prime, and recall all prime numbers up to 19 Recognise and use square and cube numbers and their respective notations (2 or 3) 	 Multiply numbers up to 4 digits by a 1 or 2 digit number using formal written methods Multiply & divide mentally drawing on known facts Divide numbers up to 4 digits by a 1 digit number using formal written methods, interpreting remainder appropriately Multiply & divide numbers by 10/100/1000 Solve problems involving multiplication & division including knowledge of factors, multiples, squares and cubes Solve problems involving multiplication & division, including scaling by simple fractions and problems involving simple rates Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as mixed a mixed number, e.g. ²/₅ + ⁴/₅ = ⁶/₅ = 1 ¹/₅ Compare and order fractions whose denominators are all multiples of the same number 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) 	 Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as mixed a mixed number, e.g. ²/₅ + ⁴/₅ = ⁶/₅ = 1 ¹/₅ 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) Read & write decimal numbers as fractions, e.g. 0.71 = ⁷¹/₁₀₀ Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place Read, write, order and compare numbers up to 3 decimal places Solve problems involving numbers up to 3 decimal places Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with 100 as the denominator, and as a decimal. Solve problems which require knowing percentage and decimal equivalents of ¹/₄, ¹/₂, ¹/₅, ²/₅, ⁴/₅ and ³/₄ and fractions with a denominator of a multiple of 10 or 25 	 Convert between different units of metric measure Understand and use approximate equivalences between metric and common imperial units (inches, pounds, pints) Use all four operations to solve problems involving measure (length, mass, capacity, money), using decimal notation, including scaling Solve problems involving converting between units of time Measure and calculate the perimeter of composite rectilinear shapes in cm and m Calculate and compare the area of rectangles and including using standard units (cm²/m²) and estimate the area of irregular shapes Estimate volume (e.g. using 1cm³ blocks to build cuboids) and capacity Complete, read and interpret information in tables, including timetables Solve comparison, sum and difference problems using information presented in a line graph 	 Use rounding to check answers, Identify multiples and factors of a number and common factors of 2 given numbers Know and use the vocabulary of prime and non-prime (composite) numbers Establish if a number up to 100 is a prime, and recall all prime numbers up to 19 Recognise and use square and cube numbers and their respective notations (² or ³) Multiply & divide numbers by 10/100/1000 Distinguish between regular and irregular polygon based on reasoning about equal sides and angles Use the properties of rectangles to deduce related facts and find missing lengths and angles Identify 3D shapes from 2D representations 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 a whole turn (total 360°) Angles at a point on a straight line and half a turn (total 180°) Other multiples of 90° 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 	 Read & write decimal numbers as fractions, e.g. 0.71 = 71/100 Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place Read, write, order and compare numbers up to 3 decimal places Solve problems which require knowing percentage and decimal equivalents of 1/4, 1/2, 1/5, 2/5, 1/2 4/5 and 3/4 and fractions with a denominator of a multiple of 10 or 25 Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as mixed a mixed number, e.g. 2/5 + 4/5 = 6/5 = 11/5 Compare and order fractions whose denominators are all multiples of the same number Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as mixed a mixed number, e.g. 2/5 + 4/5 = 6/5 = 11/5 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)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Place value	Four operations	Decimals & percentages	Converting units	Shape	Post SATs Investigations
	Four operations		Ratio & proportion	Perimeter, area & volume	Position & direction	
		Fractions	Algebra	Statistics		
Year 6	 Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit Round any whole number to a required degree of accuracy Use negative numbers in context, and calculate intervals across zero Perform mental calculations, including with mixed operations and large numbers Use knowledge of the order of operations to carry out calculations involving the four operations Solve addition and subtraction multi-step problems in context, deciding which operations to use and why Identify common factors, common multiples and prime numbers Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy 	 Multiply and divide numbers by 10, 100 and 1000, giving answers up to 3 decimal places Identify the value of each digit in numbers given to 3 decimal places Multiply 1 digit numbers with up to 2 decimal places by whole numbers Multiply multi-digit numbers up to 4 digits by a 2 digit whole number using formal written methods Divide numbers up to 4 digits by a 2 digit whole number remainders as whole number remainders, fractions, or by rounding as appropriate for the context Perform mental calculations, including with mixed operations and large numbers Solve problems involving addition, subtraction, multiplication and division Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Compare and order fractions including fractions greater than a whole 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 (e.g. \(\frac{1}{4} \times \frac{1}{2} = \frac{1}{8} \) Divide proper fractions by whole numbers (e.g. \(\frac{1}{3} \div 2 = \frac{1}{6} \) 	numbers given to 3 decimal places • Multiply 1 digit numbers with up to 2 decimal places by whole numbers • Associate a fraction with division and calculate decimal fraction equivalents (e.g. $\frac{3}{8}$ is the same as $3 \div 8 = 0.375$) • Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts • 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 of amounts and the use of percentages for comparison • 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 • Use simple formulae • Generate and describe linear number sequences • Express missing number problems algebraically • Find pairs of numbers to satisfy an equation with two unknowns	 Use simple formulae Use negative numbers in context, and calculate intervals across zero Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places Use, read, write and convert between standard units, converting measurements of length, mass, volume and time, using decimal notation up to 3 decimal places Convert between kilometres and miles Recognise that shapes with the same areas can have different perimeters and vice versa Recognise when it is possible to use formulae for area and volume of shapes Calculate the area of parallelograms and triangles Calculate, estimate and compare volume of cubes and cuboids using standard units (cm³/m³) Interpret and construct pie charts and line graphs and use these to solve problems Calculate and interpret the mean as an average 	 Use negative numbers in context, and calculate intervals across zero Draw 2D shapes using given dimensions and angles Compare and classify geometric shapes based on their properties and sizes Illustrate and name parts of a circle, including radius, diameter and circumference, and know that the diameter is twice the radius Recognise, describe and build simple 3D shapes, including making nets Find unknown angles in any triangle, quadrilateral and regular polygon Recognise angles where they meet at a point, on a straight line or are vertically opposite, and find missing angles Describe positions on the full coordinate grid (4 quadrant) Draw and translate simple shapes on the coordinate plane, and reflect them in the axes 	During this time Year 6 will be getting ready for secondary mathematics lessons. Children will spend their time re-visiting Year 6 specific objectives in more detail (those covered in algebra and ratio and proportion units). They will also develop skills using familiar equipment such as protractors and compasses, and looking at new equipment including tracing paper and calculators. Children will also investigate mathematic concepts such as the Fibonacci sequence, triangular numbers and elements of Da Vinci's perfect man. If required children may also have some extra maths intervention before starting at secondary school should we feel it necessary to boost skills, knowledge and confidence in mathematics, or perhaps be used in younger year groups as 'Maths Experts'