### **Maths Progression**

This document provides detail on how our White Rose Maths Curriculum progresses through topics for each year group and how this links to the National Curriculum.

Progression has been mapped out through the major strands (Number, Measurement, Geometry and Statistics) and broken down into key areas. National Curriculum objectives have been mapped to show when they are covered in that year, together with the term and block in which that objective is met for the first time. This does not mean that the objective will not be revisited over the year; this is when they will be introduced and the connections and links to future learning made when necessary.

White Rose schemes of learning then break this objective down into small steps of learning, the component parts of knowledge for success. These allow children to build the prerequisite knowledge and skills to be successful in the composite objective.

#### Number - Place Value:

- Count
- Represent
- Use and Compare
- Problems and Rounding

### Number - Addition and Subtraction:

- Calculations
- Problems

#### **Number - Multiplication and Division:**

- Recall/Use
- Calculations
- Problems

#### **Number - Fractions:**

- Recognise and write
- Compare
- Calculations
- Solve Problems
- Decimals: Recognise, Write, Compare
- Fractions, Decimals and Percentages
- Ratio and Proportion

#### Measures:

- Using measures
- Money
- Time
- Perimeter, Area and Volume

#### Geometry:

- 2-D shape
- 3-D shape
- Angles and Lines
- Position and Direction

#### Statistics:

- Present and Interpret data
- Solving Statistical Problems

#### Algebra:

Algebraic thinking

Click on the relevant year group link to go directly to the required year's content.

<u>Year 1</u> <u>Year 2</u> <u>Year 3</u> <u>Year 4</u> <u>Year 5</u> <u>Year 6</u>

	Place Value:		
Count	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and		
	backward		
	Autumn 1		
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 Spring 3 Summer 4		
Use and	Given a number, identify one more and one less		
Compare	Autumn 1 Spring 1		
	Addition and Subtraction		
Calculations	Add and subtract one-digit and two-digit numbers to 20, including zero		
	Autumn 2 Spring 2		
Solving Problems	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		
	Multiplication and Division		
Recall and Use	Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers		
	Summer		
Solving 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		
	Summer 1		
	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 2		
	Measures		
Using Measures	Compare, describe and solve practical problems for:  - lengths and heights - mass/weight - capacity and volume - time  Measure and begin to record the following: - lengths and heights		
	- mass/weight - capacity and volume - time (hours, minutes, seconds)		
	Spring 4 and 5 Summer 6		

Money	Recognise and know the value of different denominations of coins and notes	
	Summer 5	
Time	Sequence events in chronological order using language [e.g., before and after, next, first, today, yesterday, tomorrow, morning, afternoon, evening]	
	Recognise, 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	
	Summer 6	
Geometry		
2D Shapes	Recognise and name common 2- D shapes [e.g., rectangles (including squares), circles and triangles]	
	Autumn 3	
3D Shapes	Recognise and name common 3- D shapes [for example, cuboids (including cubes), pyramids and spheres]	
	Autumn 3	
Position and Direction	Describe position, direction and movement, including whole, half, quarter and three-quarter turns	
	Summer 3	

	Place Value:	
Count	Count to, across 100, forwards and backwards, beginning with 0 /1/given number	
2 0 0.220	Count numbers to 100 in numerals; count in multiples of twos, fives and tens	
	Autumn 1 Spring 1 Spring 3 Summer 4	
Represent	Read and write numbers to at least 100 in numerals and in words	
Represent	Identify, represent and estimate numbers using different representations,	
	including the number line	
	Autumn 1	
Use and	Recognise the place value of each digit in a two-digit number (tens, ones)	
Compare	Compare and order numbers from 0 up to 100; use <, > and = signs	
	Autumn 1	
_	Use place value and number facts to solve problems	
Problems	Autumn 1	
	Addition and Subtraction	
Calculations	Add and subtract numbers using concrete objects, pictorial representations and	
	mentally including: - 2-digit number and ones	
	- 2-digit number and tens	
	- two 2-digit numbers - adding three 1-digit numbers	
	Autumn 2	
Solving	Solve problems with addition, subtraction:	
Problems	<ul> <li>using concrete objects and pictorial representations, involving numbers, quantities, measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul>	
	Autumn 2	
	Multiplication and Division	
	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication	
Use	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	
	Spring 2	
Calculations	Calculate mathematical statements for multiplication and division within the	
	multiplication tables and write them using the × and ÷and equals (=) signs	
	Spring 2	
Solving	Solve problems, using materials, arrays, repeated addition, mental methods, and	
Problems	multiplication and division facts, including problems in contexts  Spring 2	
Spring 2 Fractions		
Recognise	Recognise, find, name and write fractions 1/3, 1/4, 1/4, 1/4 of a length, shape,	
and Write	set of objects or quantity	
	Summer 1	
Compare	Recognise the equivalence of <sup>2</sup> /4 and ½	
	Summer 1	

Calculations	Write simple fractions for example, $\frac{1}{2}$ of 6 = 3		
	Summer 1		
	Measures		
Using Measures	Choose and use appropriate standard units to estimate and measure:  - length and height in any direction (m/cm);  - mass (kg/g);  - temperature (°C);  - capacity (litres/ml)  to the nearest unit, using rulers, scales, thermometers and measuring vessels		
	Compare, order lengths, mass, volume/capacity, record using >, < and =		
Money	Spring 3 and 4  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 amounts of money		
	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change		
	Spring 1		
Time	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		
	Summer 2		
	Geometry		
2D Shapes	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line		
	Identify 2-D shapes on the surface of 3-D shapes, [e.g., a triangle on a pyramid]		
	Compare and sort common 2-D shapes and everyday objects		
	Autumn 3		
3D Shapes	Recognise and name common 3- D shapes [for example, cuboids (including cubes), pyramids and spheres]		
	Compare and sort common 3-D shapes and everyday objects		
<b>D</b> 141	Autumn 3		
	Order, arrange combinations of mathematical objects in patterns, sequences		
Birection	Use mathematical vocabulary to describe position, direction, movement, include in a straight line and distinguishing between rotation as a turn and right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)		
	Summer 4		
	Statistics		
Interpret	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables		
Data	Summer 3		
Solve Statistical	Ask, answer simple questions by counting the number of objects in each category and sorting categories by quantity		
Problems	Ask, answer questions about totalling and comparing categorical data		
	Summer 3		

Place Value:			
Count	Count from 0 in multiples of 4, 8, 50, 100; find 10 or 100 more/ less		
	Autumn 1	Autumn 3	

Dan	the second secon	
Represent	Identify, represent and estimate numbers using different representations	
	Read and write numbers up to 1000 in numerals and in words	
	Autumn 1	
Use and	Recognise the place value of each digit in a three-digit number	
Compare	Compare and order numbers up to 1000	
	Autumn 1	
_	Solve number problems and practical problems involving these ideas	
Problems	Autumn 1	
	Addition and Subtraction	
Calculations	Add and subtract numbers mentally, including:  -3-digit number and tens  -3-digit number and hundreds	
	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	
	Autumn 2	
Solving Problems	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	
	Autumn 2	
	Multiplication and Division	
	Recal, use multiplication and division facts for the 3, 4 and 8 times tables	
Use	Autumn 3 Spring 1	
Calculations	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods	
	Autumn 3 Spring 1	
Solving Problems	Solve problems involving multiplication and division, including missing number problems, positive integer scaling problems and correspondence problems in which n objects are connected to m objects	
	Spring 1	
	Fractions	
Recognise and Write	Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing 1-digit numbers/quantities by 10	
Fractions	Recognise, find and write fractions of a discrete set of objects: unit and non unit fractions with small denominators	
	Recognise and use fractions as numbers: unit and non-unit fractions with small denominators	
	Spring 3	
Compare Fractions	Recognise and show, using diagrams, equivalent fractions with small denominators	
	Compare and order unit fractions, and fractions with the same denominators	
	Spring 3	
Calculations Fractions	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ ]	

	Summer 1		
Fraction	Solve problems that involve all of the above		
Problems	Spring 3 Summer 1		
	Measures		
Using Measures	Measure, compare, add and subtract: - lengths (m/cm/mm); - mass (kg/g); - volume/capacity (I/mI)		
	Spring 2 Spring 4		
Money	Add and subtract money to give change, using £ and p in practical contexts		
	Summer 2		
Time	Tell and write the time from an analogue clock, include: Roman numerals from I to XII, and 12- hour and 24-hour clocks		
	Estimate, read time with more accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours		
	Know the number of seconds in a minute, the number of days in each month, year		
	Compare durations of events [e.g., to calculate the time taken by events or tasks]  Summer 3		
Perimeter	Measure the perimeter of simple 2-D shapes		
	Spring 2		
	Geometry		
2D Shapes	Draw 2-D shapes		
	Summer 4		
3D Shapes	Make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		
	Summer 4		
Angles and Line	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  Summer 4		
	Statistics		
Present & Interpret Data	Interpret and present data using bar charts, pictograms and tables Summer 5		
Solve Statistical Problems	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		
	Summer 5		

Place Value:			
Count	Count in multiples of 6, 7, 9, 25 and 1000		
	Count backwards through zero to include negative numbers		
	Autumn 1 Autumn 4		

Represent	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	
Use and	Find 1000 more or less than a given number	
Compare	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	
Rounding &	Round any number to the nearest 10, 100 or 1000	
Problems	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	
	Autumn 1	
	Addition and Subtraction	
Calculations	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	
	Autumn 2	
Solving Problems	Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why	
	Autumn 2	
	Multiplication and Division	
Recall and	Recall multiplication and division facts for times tables up to 12 × 12	
Use	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; - multiplying together three numbers	
	Recognise and use factor pairs and commutativity in mental calculations	
	Autumn 4 Spring 1	
Calculations	Multiply 2-digit and 3-digit numbers by a 1-digit number using formal layout	
	Spring 1	
Solving Problems	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	
	Fractions and Decimals	
Write	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	
Fractions	Spring 4 Summer 1	
Compare	Recognise and show, using diagrams, families of common equivalent fractions	
Fractions	Spring 4 Summer 1	
1	Add and subtract fractions with the same denominator	
Fractions	Spring 3	
Fraction Problems	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	
	•	

	Spring 3
1	Recognise and write decimal equivalents of any number of tenths or hundredths
read, write, compare	Recognise, write decimal equivalents to ¼ ½ ¾
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
	Spring 4 Summer 1
FDP	Solve simple measure and money problems involving fractions and decimals to two decimal places
	Spring 3 Spring 4 Summer 1
	Measures
Using Measures	Convert between different units of measure [for example, kilometre to metre; hour to minute]
	Estimate, compare and calculate different measures
	Spring 2 Summer 3
Money	Estimate, compare and calculate different measures, including money in pounds and pence
	Summer 2
Time	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
	Summer 3
Area and Perimeter	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
	Find the area of rectilinear shapes by counting squares
	Autumn 3 Spring 2
	Geometry
2D Shapes	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations
	Summer 4
3D Shapes	Compare and classify geometric shapes, including quadrilaterals and triangles,
or oriapos	based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations
	Summer 4
	Identify acute and obtuse angles and compare and order angles up to two right
Line	angles by size Identify lines of symmetry in 2-D shapes presented in different orientations
	Complete a simple symmetric figure with respect to a specific line of symmetry
	Summer 4
1	Describe positions on a 2-D 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 6	
Statistics	
Interpret, present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs  Summer 5	
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs  Summer 5	

Place Value:		
Count	Count forwards/backwards in steps/powers of 10 for any number up to 1,000,000	
	Count forwards and backwards with positive and negative whole numbers, including through zero	

	Autumn 1 Summer 4		
	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), recognise years written in Roman numerals		
	Autumn 1		
	Order, compare numbers to at least 1,000,000 and determine the value of digits		
Compare	Autumn 1		
_	Interpret negative numbers in context		
Problems	Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10,000, 100,000		
	Solve number problems and practical problems that involve all of the above		
	Autumn 1		
	Addition and Subtraction		
	Add and subtract whole numbers with more than 4-digits, including using formal written methods (columnar addition and subtraction)		
	Add and subtract numbers mentally with increasingly large numbers		
	Autumn 2		
	Solve + and - multi-step problems in contexts, deciding which operations and methods to use and why		
	Solve problems with all 4 operations and a combination of these, including understanding the meaning of the equals sign		
	Autumn 2		
	Multiplication and Division		
	Identify multiples and factors, find all factor pairs of a number, common factors of two numbers		
	Know, use the vocabulary of prime numbers, prime factors, composite (not prime)		
	Establish whether a number up to 100 is prime, recall prime numbers up to 19		
	Recognise, use square and cube numbers, and their notation (squared, cubed)		
	Autumn 3		
	Multiply numbers up to 4 digits by a 1- or 2-digit number using a formal written method, include long X for 2-digit numbers		
	Multiply and divide mentally drawing upon known facts		
	Divide numbers up to 4 digits by a 1-digit number using formal method of short division and interpret remainders appropriately for the context		
	Multiply, divide whole numbers and those involving decimals by 10, 100 and 1000		
-	Autumn 3 Spring 1 Solve problems involving multiplication and division include use of knowledge of		
	factors and multiples, squares and cubes		
	Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates		
	Autumn 3 Spring 1		
	Fractions and Decimals		

Write	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	
Fractions	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{9}{3} + \frac{9}{5} = 1 \frac{1}{3}$ ]	
	Autumn 4	
Compare Fractions	Compare and order fractions whose denominators are all multiples of the same number	
	Autumn 4	
	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 4 Spring 2	
1	Read and write decimal numbers as fractions [for example, 0.71 = 71/100 ]	
read, write, compare	Recognise, use thousandths and relate them to tenths, hundredths and decimal equivalents	
	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	
	Spring 3 Summer 3	
FDP	Recognise the percent symbol (%) - understand that percent relates to 'number of parts per hundred', write percentages as a fraction (denominator 100) and as a decimal	
	Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{1}{8}$ , $\frac{1}{8}$ and those fractions with a denominator of a multiple of 10 or 25	
	Spring 3 Summer 3	
	Measures	
Using	Convert between different units of metric measure	
Measures	Understand and use approximate equivalences between metric units and common imperial units: inches, pounds, pints	
	Use all four operations to solve problems involving measure [i.e. length, mass, volume, money] using decimal notation, including scaling	
	Spring 4 Summer 5 and 6	
Money	Use all four operations to solve problems involving measure [for example, money]	
	Summer 3	
Time	Solve problems involving converting between units of time	
	Summer 5	
Area and Perimeter	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	
	Calculate, compare the area of rectangles (including squares) and including using standard units, square cm (cm <sup>2</sup> ) and square m (m <sup>2</sup> ) and estimate the area of irregular shapes	
	Estimate volume [e.g., using blocks to build cuboids] and capacity [e.g., using	

г

	water]		
	Spring 4 Summer 6		
	Geometry	·	
2D Shapes	Distinguish between regular and irregular polygons based on reasonin equal sides and angles.	ng about	
	Use the properties of rectangles to deduce related facts and find miss and angles	ing lengths	
	Summer 1		
3D Shapes	Identify 3-D shapes, including cubes and other cuboids, from 2-D repr	esentations	
	Summer 1		
Angles and Line	Know angles are measured in degrees: estimate and compare acute, oreflex 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 ½ a turn (total 180°) - other multiples of 90°	obtuse and	
	Summer 2		
Position and Direction	Identify, describe and represent the position of a shape following a retranslation, using the appropriate language, and know that the shape changed		
	Summer 2		
	Statistics		
Present &	Complete, read and interpret information in tables, including timetable	les	
Interpret Data	Spring 5		
	Solve comparison, sum and difference problems using information proline graph	esented in a	
Problems	Spring 5		

Place Value:		
•	Read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit	
	Autumn 1	

Use and	(Read, write) Order and compare numbers up to 10 000 000 and determine the value of each digit	
Compare		
Rounding 9	Autumn 1  Round any whole number to a required degree of accuracy	
Problems	Use negative numbers in context, and calculate intervals across zero	
	Solve number and practical problems that involve all of the above	
	Autumn 1	
	Addition and Subtraction	
Calculations	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	
	Autumn 2	
Solving	Solve addition and subtraction multi-step problems in contexts, deciding which	
Problems	operations and methods to use and why	
	Autumn 2 Multiplication and Division	
Docall and	Multiplication and Division	
Recall and Use	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	
	Autumn 2	
Calculations	Multiply numbers up to 4 digits by a 2-digit whole number using formal written method long multiplication	
	Divide numbers up to 4 digits by a 2-digit whole number using the formal method of long division, interpret remainders as integer remainders, fractions, or by rounding, as appropriate for the context	
	Divide numbers by a 2-digit number using formal written method short division, interpreting remainders according to the context	
	Perform mental calculations with mixed operations, large numbers	
	Autumn 2	
Solving	Solve problems involving addition, subtraction, multiplication and division	
Problems	Use their knowledge of the order of operations to carry out calculations involving the four operations	
	Autumn 2	
	Fractions and Decimals	
Compare Fractions	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination	
	Compare and order fractions, including fractions > 1	
	Autumn 3	
	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	
	Divide proper fractions by whole numbers [for example $\frac{1}{3} \div 2 = \frac{1}{3}$ ]	
	Autumn 3 Autumn 4	

Decimals -	Identify the value of each digit in numbers given to three decimal places	
read, write, compare	Spring 3	
FDP	Associate a fraction with division and calculate decimal fraction equivalents [for	
	example, 0.375] for a simple fraction [for example, 3/8]	
	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	
	Spring 3 Spring 4	
Ratio	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/use of percentages for comparison	
	Solve problems involving similar shapes where scale factor is known or can be found	
	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	
	Spring 3	
	Measures	
Using Measures	Solve problems involving the calculation conversion of units of measure, using decimal notation up to 3 d.p.	
	Use, read, write, 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 to up to 3 d.p.	
	Convert between miles and kilometres	
	Autumn 5	
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	
	Autumn 5	
Area and	Recognise that shapes with the same area can have different perimeters, vice versa	
Perimeter	Recognise when it is possible to use formulae for area, volume of shapes	
	Calculate the area of parallelograms and triangles	
	Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic cm (cm³) and cubic m (m³)	
	Spring 5	
	Geometry	
2D Shapes	Draw 2-D 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 1	
3D Shapes	Recognise, describe and build simple 3-D shapes, including making nets	
	Summer 1	
Angles and	Find unknown angles in any triangles, quadrilaterals, and regular polygons	
Line	Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	

	Summer 1	
Position and	Describe positions on the full coordinate grid (all four quadrants)	
Direction	Draw and translate simple shapes on the coordinate plane, and reflect them in the	
	axes	
	Summer 2	
	Statistics	
Present &	Interpret and construct pie charts and line graphs and use these to solve problems	
Interpret Data	Spring 6	
Solve	Calculate and interpret the mean as an average	
Statistical Problems	Spring 6	
Algebra		
Algebraic	Use simple formulae	
Thinking	Generate, 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	
	Spring 6	