

Progression of Knowledge and Skills

Key to understanding this document: Black = National Curriculum Objectives

<u>Year R</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<h1>Place value</h1>						
Place value: Count						
<ul style="list-style-type: none"> Match & Sort Counting to 9 & 10 Count patterns beyond 10 	<ul style="list-style-type: none"> 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 twos, fives and tens 	<ul style="list-style-type: none"> count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward 	<ul style="list-style-type: none"> count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number 	<ul style="list-style-type: none"> count in multiples of 6, 7, 9, 25 and 1000 count backwards through zero to include negative numbers 	<ul style="list-style-type: none"> count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 count forwards and backwards with positive and negative whole numbers, including through zero 	
Autumn 1 Spring 2 Summer 1	Autumn 1 Spring 1 Spring 3 Summer 4	Autumn 1	Autumn 1 Autumn 3	Autumn 1 Autumn 4	Autumn 1 Summer 4	
Place value: Represent						
<ul style="list-style-type: none"> Representing 1,2,3 Composition of 1,2,3 Representing numbers to 5 1 more or less Introducing Zero Composition of 4,5 Composition of 6,7,8 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> read and write numbers to at least 100 in numerals and in words identify, represent and estimate numbers using different representations, 	<ul style="list-style-type: none"> identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words 	<ul style="list-style-type: none"> identify, represent and estimate numbers using different representations read Roman numerals to 100 (I to C) and know that over time, the numeral system 	<ul style="list-style-type: none"> read, write, (order and compare) numbers to at least 1 000 000 and determine the value of each digit read Roman numerals to 1000 	<ul style="list-style-type: none"> read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit

<ul style="list-style-type: none"> Build Numbers beyond 10 	numerals and words	including the number line		changed to include the concept of zero and place value	<ul style="list-style-type: none"> (M) and recognise years written in Roman numerals 	
Autumn 2 Spring 1 Summer 1	Autumn 1 Spring 1 Spring 3 Summer 4	Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1
Place value: Use and compare						
<ul style="list-style-type: none"> Compare amounts, Comparing 1,2,3 Comparing numbers to 5 Comparing numbers to 10 Even & Odd 	<ul style="list-style-type: none"> given a number, identify one more and one less 	<ul style="list-style-type: none"> recognise the place value of each digit in a two-digit number (tens, ones) compare and order numbers from 0 up to 100; use <, > and = signs 	<ul style="list-style-type: none"> recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> (read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit 	<ul style="list-style-type: none"> (read, write), order and compare numbers up to 10 000 000 and determine the value of each digit
Autumn 1 Autumn 2 Spring 1 Spring 2 Summer 2	Autumn 1 Spring 1 Spring 3 Summer 4	Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1
Place value: Problems/Rounding						
		<ul style="list-style-type: none"> use place value and number facts to solve problems 	<ul style="list-style-type: none"> solve number problems and practical problems involving these 	<ul style="list-style-type: none"> round any number to the nearest 10, 100 or 1000 	<ul style="list-style-type: none"> interpret negative numbers in context round any 	<ul style="list-style-type: none"> round any whole number to a required degree of

			ideas	<ul style="list-style-type: none"> • solve number and practical problems that involve all of the above and with increasingly large positive numbers 	number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 <ul style="list-style-type: none"> • solve number problems and practical problems that involve all of the above 	accuracy <ul style="list-style-type: none"> • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above
		Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1

Progression of Knowledge and Skills

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Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<h1>Addition and subtraction</h1>						
Addition & subtraction: Calculations						
<ul style="list-style-type: none"> Combining 2 amounts Making pairs Bonds to 10 Adding More Taking away 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables 	<ul style="list-style-type: none"> recall multiplication and division facts for multiplication tables up to 12×12 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 	<ul style="list-style-type: none"> identify multiples and factors, including finding 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 square numbers and cube numbers, and the notation 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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

				for squared (2) and • cubed (3)		
Spring 1 Spring 2 Summer 1	Spring 2	Autumn 3 Spring 1	Autumn 4 Spring 1	Autumn 3	Autumn 2	Spring 2
Multiplication & division: Calculations						
<ul style="list-style-type: none"> • Compose and decompose • Doubling, sharing and grouping • Visualise and build • Deepening understanding 	<ul style="list-style-type: none"> • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs 	<ul style="list-style-type: none"> • 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 progressing to formal written methods 	<ul style="list-style-type: none"> • multiply two-digit and three-digit numbers by a one-digit number using formal written layout 	<ul style="list-style-type: none"> • multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two- digit numbers • multiply and divide numbers mentally drawing upon known facts • divide numbers up to 4 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 	<ul style="list-style-type: none"> • multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context • divide numbers up to 4 digits by a two-digit number using the formal written method of short division where 	<ul style="list-style-type: none"> • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) signs

				decimals by 10, 100 • and 1000	appropriate, interpreting remainders according to the context • perform mental calculations, including with mixed operations and large numbers	
Summer 1 Summer 2	Spring 2	Autumn 3 Spring 1	Spring 1	Autumn 3 Spring 1	Autumn 2	Spring 2
Multiplication & division: Problems						
	• solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	• 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	• solve problems involving multiplying and adding, 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	• 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	• solve problems involving addition, subtraction, multiplication and division	• 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	Spring 1	Spring 1	Autumn 3 Spring 1	Autumn 2	Summer 1
Multiplication & division: Combined						
					• solve problems involving	• use their knowledge of

					addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	the order of operations to carry out calculations involving the four operations
					Spring 1	Autumn 2



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Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions, decimals, percentages						
Fractions: Recognise and write						
	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> recognise, find, name and write fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ and 3 of a length, 4 shape, set of objects or quantity 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. 	<ul style="list-style-type: none"> 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 a mixed number [for example, $2 + \frac{1}{5}$, $\frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$] 	
	Summer 2	Summer 1	Spring 3	Spring 4 Summer 1	Autumn 4	
Fractions: Compare						
		<ul style="list-style-type: none"> Recognise the equivalence of $\frac{2}{4}$ 	<ul style="list-style-type: none"> recognise and show, using diagrams, equivalent 	<ul style="list-style-type: none"> recognise and show, using diagrams, families of 	<ul style="list-style-type: none"> compare and order fractions whose denominators 	<ul style="list-style-type: none"> use common factors to simplify fractions; use

		<ul style="list-style-type: none"> • and 1 • 2 	fractions with small denominators <ul style="list-style-type: none"> • compare and order unit fractions, and fractions with the same denominators 	common equivalent fractions	are all multiples of the same number	common multiples to express fractions in the same denomination <ul style="list-style-type: none"> • compare and order fractions, including fractions • > 1
		Summer 1	Spring 3	Spring 3	Autumn 4	Autumn 3
Fractions: Calculations						
		<ul style="list-style-type: none"> • write simple fractions for • example, $\frac{1}{2}$ of 6 = 3 	<ul style="list-style-type: none"> • add and subtract fractions with the same denominator within one whole • [for example, $5 + \frac{1}{7} = 6\frac{1}{7}$] • $\frac{1}{7} + \frac{1}{7} = \frac{2}{7}$ 	<ul style="list-style-type: none"> • add and subtract fractions with the same denominator 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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, $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$] • $\frac{4}{2} \div \frac{2}{6} = 8$ • divide proper fractions by whole numbers [for example $\frac{1}{2} \div 2 = \frac{1}{4}$] • $\frac{3}{6} \div 2 = \frac{1}{4}$
		Summer 1	Summer 1	Spring 3	Autumn 4 Spring 2	Autumn 3 Autumn 4

Fractions: Solve problems

- solve problems that involve all of the above

- 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
Summer 1

Spring 3

Decimals: Recognise, write, compare

- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to
 - 1, 1, 3
 - 4 2 4
- round decimals with one decimal place to the nearest whole number
- compare numbers with the same number of decimal places

- read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with two decimal places to the nearest whole number

- identify the value of each digit in numbers given to three decimal places

				up to two decimal places	<ul style="list-style-type: none"> and to one decimal place read, write, order and compare numbers with up to three decimal places 	
				Spring 4 Summer 1	Spring 3 Summer 3	Spring 3
Fractions, decimals and percentages						
				<ul style="list-style-type: none"> solve simple measure and money problems involving fractions and decimals to two decimal places 	<ul style="list-style-type: none"> recognise the per cent 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 1, 1, 1, 2, 4 and 2 4 5 5 5 those fractions with a denominator of a multiple of 10 or 25 	<ul style="list-style-type: none"> 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 Summer1	Spring 3	Spring 3 Spring 4
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Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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Ratio and proportion, algebra

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/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

Spring 1

Algebra

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Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<h1>Measurement</h1>						
<h3>Using measures</h3>						
<ul style="list-style-type: none"> Compare size, mass & Capacity Compare Capacity Length & Height 	<ul style="list-style-type: none"> compare, describe and solve practical problems for: <ul style="list-style-type: none"> lengths and heights mass/weight capacity and volume time measure and begin to record the following: <ul style="list-style-type: none"> lengths and heights mass/weight capacity and volume time (hours, minutes, seconds) 	<ul style="list-style-type: none"> 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 rulers, scales, thermometers and measuring vessels compare and order lengths, mass, volume/capacity and record the results using >, < and = 	<ul style="list-style-type: none"> measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) 	<ul style="list-style-type: none"> Convert between different units of measure [for example, kilometre to metre; hour to minute] estimate, compare and calculate different measures 	<ul style="list-style-type: none"> convert between different units of metric measure understand and use approximate 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 	<ul style="list-style-type: none"> solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. 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 to up to 3 d.p. convert between miles and kilometres
Autumn 1 Spring 1	Spring 4 Spring 5	Spring 3 Spring 4	Spring 2 Spring 4	Spring 2 Summer 3	Spring 4 Summer 5	Autumn 5

	Summer 6				Summer 6	
Money						
	<ul style="list-style-type: none"> recognise and know the value of different denominations of coins and notes 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> add and subtract amounts of money to give change, using both £ and p in practical contexts 	<ul style="list-style-type: none"> estimate, compare and calculate different measures, including money in pounds and pence 	<ul style="list-style-type: none"> use all four operations to solve problems involving measure [for example, money] 	
	Summer 5	Spring 1	Summer 2	Summer 2	Summer 3	
Time						
<ul style="list-style-type: none"> Time 	<ul style="list-style-type: none"> sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, 	<ul style="list-style-type: none"> compare and sequence intervals of time tell and write the time to five minutes, including quarter past/to the hour and 	<ul style="list-style-type: none"> tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12- hour and 24-hour clocks 	<ul style="list-style-type: none"> read, write and convert time between analogue and digital 12- and 24-hour clocks solve problems involving converting from hours to 	<ul style="list-style-type: none"> solve problems involving converting between units of time 	<ul style="list-style-type: none"> 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

	<p>morning, afternoon and evening]</p> <ul style="list-style-type: none"> 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 	<p>draw the hands on a clock face to show these times</p> <ul style="list-style-type: none"> know the number of minutes in an hour and the number of hours in a day 	<ul style="list-style-type: none"> 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] 	<p>minutes; minutes to seconds; years to months; weeks to days</p>		<ul style="list-style-type: none"> Note – In the WRM schemes, time conversions are covered in Y5; the Y6 block concentrates on metric units.
Autumn 2 Spring 1	Summer 6	Summer 2	Summer 3	Summer 3	Summer 5	Autumn 5

Perimeter, area, volume

			<ul style="list-style-type: none"> measure the perimeter of simple 2-D shapes 	<ul style="list-style-type: none"> measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares 	<ul style="list-style-type: none"> 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 blocks to build cuboids] and capacity [for example, using water] 	<ul style="list-style-type: none"> 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, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units
			Spring 2	Autumn 3 Spring 2	Spring 4 Summer 6	Spring 5

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Year R	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<h1>Geometry</h1>						
2-D shapes						
<ul style="list-style-type: none"> Exploring pattern Positional Language Circles & Triangles Shapes with 4 sides Spatial awareness & patterns Spatial reasoning Match, rotate, manipulate Patterns & Relationships Spatial Mapping Mapping 	<ul style="list-style-type: none"> recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] 	<ul style="list-style-type: none"> 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, [for example, a circle on a cylinder and a triangle on a pyramid] compare and sort common 2-D shapes and everyday objects 	<ul style="list-style-type: none"> draw 2-D shapes 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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
Autumn 1 Autumn 2 Spring 2 Summer 1 Summer 2	Autumn 3	Autumn 3	Summer 4	Summer 4	Summer 1	Summer 1
3-D shapes						
<ul style="list-style-type: none"> 3D Shapes 	<ul style="list-style-type: none"> recognise and name common 3-D shapes [for example, cuboids] 	<ul style="list-style-type: none"> recognise and name common 3-D shapes [for example, cuboids] 	<ul style="list-style-type: none"> make 3-D shapes using modelling materials; recognise 3-D 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> identify 3-D shapes, including cubes and other cuboids, from 2- 	<ul style="list-style-type: none"> recognise, describe and build simple 3-D shapes,

	(including cubes), pyramids and spheres]	(including cubes), pyramids and spheres] <ul style="list-style-type: none"> compare and sort common 3-D shapes and everyday objects 	shapes in different orientations and describe them		D representations	including making nets
Spring 2	Autumn 3	Autumn 3	Summer 4		Summer 1	Summer 1
Angles and lines						
			<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> identify acute and obtuse angles and compare and order angles up to two right 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 	<ul style="list-style-type: none"> 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°) angles at a point on a straight line and 1 a turn (total 2 180°) other multiples of 90° 	<ul style="list-style-type: none"> 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 4	Summer 4	Summer 2	Summer 1

Position and direction

	<ul style="list-style-type: none"> describe position, direction and movement, including whole, half, quarter and three-quarter turns 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes
	Summer 3	Summer 4		Summer 6	Summer 2	Summer 2

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Statistics						
Present and interpret data						
		<ul style="list-style-type: none"> interpret and construct simple pictograms, tally charts, block diagrams and simple tables 	<ul style="list-style-type: none"> interpret and present data using bar charts, pictograms and tables 	<ul style="list-style-type: none"> interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs 	<ul style="list-style-type: none"> complete, read and interpret information in tables, including timetables 	<ul style="list-style-type: none"> interpret and construct pie charts and line graphs and use these to solve problems
		Summer 3	Summer 5	Summer 5	Spring 5	Spring 6
Solve statistical problems						
		<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 	<ul style="list-style-type: none"> solve comparison, sum and difference problems using information presented in a line graph 	<ul style="list-style-type: none"> calculate and interpret the mean as an average
		Summer 3	Summer 5	Summer 5	Spring 5	Spring 6