Maths Curriculum Progression 2025 - 2026

Our goal for Maths education is that children are able to solve increasingly complex routine and non-routine problems, developing:

- a deep, secure and adaptable conceptual understanding;
- fluency with mathematical fundamentals and procedures; and
- proficiency with reasoning, application and use of mathematical vocabulary.



Maths Whole School Overview 2025 2026

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Whole school days/events linked to Maths		Primary Maths Challenge (Y5&6) Number Facts Bee	Multiplication Bee		National Numeracy Day	Number Facts Bee First Maths Challenge
Right of the month	September: Article 28 – the right to learn and go to school October: Article 12 – the right to be listened to	November: Article 19 – the right not to be harmed and to be looked after and kept safe December: Article 13 – the right to follow your own religion	January: Article 29 – the right to become the best you can be February: Article 42 – the right to learn about your rights	March: Article 7 – the right to a name and a nationality April: Article 24 – the right to food, water and medical care	April: Article 24 – the right to food, water and medical care May: Article 20 – the right to practice your own culture, language and religion	June: Article 22 – the right to special protection and help if you are a refugee July: Article 31 – the right to play and rest
Skills Builder	September: Listening October: Speaking	November: Teamwork December: GLOBAL GOALS	January: Problem Solving February: Staying Positive	March: Creativity April: GLOBAL GOALS	April: GLOBAL GOALS May: Aiming High	June: Leadership July: GLOBAL GOALS
Nursery	Early number and shape through play, song and story	Early number and shape through play, song and story	In depth number 0-5 2D shape Sorting	Finding 1 more Addition Pattern	Finding 1 less Subtraction Measure	In depth number 6-10 2D shape
Reception	Mastering Number Counting Cardinality 1:1 correspondence Measures	Mastering Number Composition of number Shapes Time	Mastering Number number facts within 5 and 10 equal and unequal Measures	Mastering Number Odd and evens 3D shape Patterns Writing/reading number sentences	Mastering Number Doubles Number facts within 10 Spatial reasoning	Mastering Number Review Grouping Patterns
Year 1	Time Addition and Subtraction (composition of numbers 0-5)	Addition and subtraction (composition of numbers 6-10) Measure Geometry	Place Value Addition & Subtraction Measures	Addition and Subtraction Multiplication and Division	Division Fractions Time Statistics	Addition and Subtraction Place Value

Year 2	Place Value Addition and subtraction Time	Addition and subtraction Shape	Money Multiplication and Division Statistics	Multiplication and Division Geometry Measures	Fractions Time	Statistics Addition and Subtraction Measures Money
Year 3	Place Value Measures Addition and Subtraction	Addition and subtraction Multiplication & division	Geometry Fractions and Decimals Addition and Subtraction	Measure Multiplication and Division	Fractions and Decimals Measure Multiplication and Division	Money Addition and Subtraction Measures Statistics
Year 4	Place value Addition/subtraction Measures	Addition and Subtraction Area Multiplication and Division	Multiplication and Division Geometry	Fractions and Decimals	Fractions and Decimals Measure Statistics	Multiplication and Division Measure
Year 5	Place value Addition and Subtraction Multiplication and Division	Multiplication & Division Measures Fractions	Multiplication and Division Geometry Measures	Fractions and Decimals Measures Statistics Perimeter and Area	Decimals and Percentages Multiplication and Division	Decimals Place Value Measures
Year 6	Place Value 4 operations Measures	Fractions 4 operations	Ratio Algebra Geometry	Fractions, Decimals and Percentages Perimeter, Area, Volume Statistics	Geometry SATS revision and Prep	Money Sense Geometry Consolidation of 4 operations

In **Reception** we follow the <u>Mastering Number programme from NCETM.</u>

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	Mastering Number • subitising • develop counting skills: cardinality; 1:1 correspondence In addition • size, mass and capacity, • exploring pattern	Mastering Number spot smaller numbers 'hiding' within larger develop concept of whole and parts In addition Circles and triangles, positional language. Shapes with 4 sides Time	Mastering Number Identify missing parts for numbers within 5 explore '5 and a bit' in the structure of 6 and 7. equal and unequal groups In addition comparing mass and capacity. Length and height	Mastering Number • 2 equal groups can be called double • recognising odd and even numbers In addition • 3D Shape • Pattern • using the symbols (+, - and =) • know the language 'altogether makes'	Mastering Number continue work on doubles different representations of numbers In addition Spatial reasoning	Mastering Number review of learning subitising Even and odd patterns in number recall of number facts within 3,4,5 and 10. In addition Doubling, sharing, grouping Spatial reasoning Deepening understanding of patterns and relationships

These objectives are covered throughout the Reception year.

Number	Shape, Space & Measure
 I can compare measures and quantities using bigger/smaller, taller/shorter, longer/shorter accurately I know numbers represent quantities in a group I can count orally forwards past 20 and backwards from 10 I can recognize the numerals for digits to 10. I know the difference between whole and not whole I know that the whole is bigger than part I know that the numbers to 5 can be partitioned in different ways. I can compare numbers up to 10 - i.e. 7 is more than 5. I can use addition and subtraction to compare numbers - 5 is 2 less than 7, 7 is 3 more than 4. I can read and write symbols (+, - and =) and know what they represent. I know the language 'altogether makes' I can find one more and one less than numbers to 10. I know the odd and even numbers and doubles facts within 10 and how quantities can be distributed equally. I can add in ones using practical resources. I can subtract in ones using practical resources. 	 I can use everyday vocabulary to describe mass, size, capacity, position or distance using vocab like longer /shorter /taller/ heavier/ lighter /further /less far/smaller. I can use everyday language to describe shapes. I can explore and talk about simple repeating patterns and notice errors.

Year 1 Maths lessons

Always look at the previous year objectives to see what gaps there may be for children within your class.

	Week 1 (3 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
A1	I can name and order the days in the week and the months in the year I can sequence events in chronological order using before, after, today, tomorrow etc. Can write numbers from 1 to 20 in numerals I can write numbers from 1 to 20 in numerals I can count forwards to 20 I can count backwards from 20 I can reason about the location of numbers to 20 within the linear number system, including comparing using < > = Sorting and part-whole (checking 1:1 correspondence, ability to sort and articulate, use of part-whole language)				 I can read, represent I know my a I can add an 		nbols (+-=) and known n facts to 5 practical resource	ow what they
A2	Addition and Subtra I can read, we represent I can relate at a lean composed 10 into parts I can add and and etc I can solve means and solve means and solve means and and and etc	rite and interpret syndditive expressions and fluency in addition as numbers to 10 from	mbols (+-=) and keep and equations to and subtraction fam two parts, and mbers a practical resource ing a structured rems	real life acts within 10. partition numbers to	 and maths m I can comparing longer/shorte I can compose example, incorientations. I can recognithat rectangle to one anoth 	s objectives in practical neetings all year) re and describe length er etc se 2D and 3D shapes aluding manipulating shapes es, triangles, cuboids a	and height using value shapes to place there in different oriental and pyramids are r	vocab es to match an n in particular tions and know

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	
Sp1	 backwards, starting with a control of the control of	backwards, starting with any number I can identify one more/less than a given number I can read and write numbers from 1 to 100 in numerals Make a number up to 100 using physical resources I can count forwards and backwards through odd numbers I can continue simple number sequences and shape patterns within 20 • I can add O+O bridging 10 • I can solve missing number problems			Measures can compare and describe weight and mass using vocab heavier/lighter than I can compare and describe capacity and volume using vocab full/empty/half full etc	ASSESSMENT WEEK I can name and order the days in the week and the months in the year I can sequence events in chronological order using before, after, today, tomorrow etc. I can recognise and name common 3D shapes	
Sp 2	Addition and Subtraction I can subtract in tens and I can solve missing numbor I know my addition and subtract to 10 I can solve one step addition problems using physical recognise and know the £2.	ones er problems ubtraction facts for all ion and subtraction esources	Multiplication I know that multiplication is a number of equal groups I know the doubles of all numbers up to 10. I can count in multiples 2s, 5s and 10s from zero I recognise and know the value of coins up to £2. I can count forwards and backwards through odd numbers I can multiply using concrete objects or pictorial representations I can solve 1 step word problems involving multiplication and division using concrete resources		Division I can divide using concrete objects and pictorial representations		
Sum 1	Time I can read and write the time on an analogue clock for o'clock and half past I can begin to record time using times and use language quicker, slower, earlier, later.	Division I can solve 1 step word problems involving multiplication and division using concrete resources or pictorial representations. I know the halves of all numbers to 10.	or pictorial representations Fractions I know that a whole is somethout up. I know that a half is somethin equal pieces. I know the halves of all numb. I know that a quarter is some into four equal pieces. I can describe position, directincluding whole, half, quarter	g that is cut into two ers to 10. thing that has been cut	Statistics I can begin making and interpret simple pictograms and tables I can answer a simple question about a pictogram or table	ASSESSMENT WEEK I can count forwards and backwards through odd numbers I can recognise even and odd numbers up to 20	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 (3
								days)
Sum 2	Place Value Recap: I can identify one more/less than a given number I can read and write numbers from 1 to 100 in numerals Make a number up to 100 using physical resources	to 2 inclu I can equ I can bacl I can subt I can	n reason about the locat 0 within the linear number uding comparing using < n relate additive express ations to real life n count within 100 forwards, starting with any n develop fluency in additraction facts within 10. In compose numbers to 1 s, and partition numbers	er system, > = sions and rds and number ition and	Addition and Subtract I can use physical resou I can add O+O bridging I can add in tens and 1s independent method (pi I can subtract in tens an I can solve missing num I can solve one step add resources I recognise and know the	urces to add and subtraction s using a structured nuractical resources in 1 and ones aber problems dition and subtraction	umber line or ot 0s and 1s grid) problems using	

Year 2 Autumn Maths Overview

	Week 1 (3 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
A1	Place Value I can count forward and backwards to and from 100. I can understand the value of each digit in a 2-digit number and be able to partition numbers into 10s and 1s. I can partition 2-digit numbers into different combinations of 10s and 1s - 23 = 2 tens and 3 ones = 1 ten and 13 ones I can count in forward and back in tens from any number including crossing boundaries into hundreds I can partition 2-digit numbers and add using base 10 or practical resources without crossing boundaries I can compare and order numbers from 0 up to 100 using > < and = signs I can compare and order measures and record using < > and = I can reason about the location of any two-digit number within the linear number system, including identifying the previous and next multiple of 10 I can use place value and number facts to solve problems. I can count in 3s from zero Addition and Subtraction Geometry						ASSESSMENT WEEK I am confident with all my addition and subtraction facts to numbers up to 15 I can find the relationships in number fact families	Time I can confidently recite the days of the week and months of the year.
A2	 I can add O+O bri I can add 3 small I can estimate who I recognise the su questions of the fo I can use represer solve missing num I can add and sub and subtraction fa I can add 2 two-di with concrete or p I know that addition subtraction canno I can add and sub 	dging 10 numbers confident ether my answer is btraction structure orm "How many mo ntations (triangle, b nber problems for a tract TO and O wit cts - 3+4 = 7, so 63 git numbers with re ictorial representat on can be done in a t. tract TO and TO w raction facts - 45 +2	or reasonable. of 'difference' and ore?" oar model) to show addition and subtraction and subtraction and subtraction and segrouping and showing ana	v the inverse to action. ng 1 digit addition 5 + 40 = 75 ow my method tative) but	describe pro shapes - side edges, verte: • I can compar	ecise language to perties of 2D and 3D es, vertex/vertices; x/vertices/ faces re shapes by reasoning ities and differences in es.		

Year 2 Spring Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Sp1	Money I can solve problems involving adding and subtracting money (£p) I can recognise and use symbols for £ and p I can combine amounts to make a particular value e.g. make 3p using a 2p and a 1p I can find different combinations of coins that equal the same amounts I know the different denominations for coins and notes.	and repeated ad I can identify dou I can recall and utimes tables I can use x, / and I can divide using arrays and repeated. I know division is I can recognise if multiplication equal relate grouping protection and division arrecall and division a	ing concrete objects, piction ubles and halves up to 2 use the multiplication ar d = signs g concrete objects and pated subtraction s the opposite of multiplications problems where we known on equations - i.e. There	od division facts for 2 and 10 poictorial representations, and	Statistics. I can read bar charts, tally charts, tables and pictograms. I can answer simple questions 'how many more?', 'how many fewer?' from bar charts, tally charts, tables and pictograms.	ASSESSMENT WEEK I can identify odd and even
Sp2	 Multiplication & Division I can solve 1 step word division using concrete I can count in 3s from z I can recall and use the times tables I can recognise repeate with multiplication equal relate grouping problem but not how many groumissing factor and divisin the class, 6 children in needed = 6 x ? = 30 or 	resources or pictorial rero multiplication and of addition contexts, tions as where we know hops (quotitive division equations - i.e. sit at each table, how	representations livision facts for the 5 representing them ow many in the group, to multiplication with There are 30 children	 Geometry I know the properties of 2D shapes (sides, vertices, lines of symmetry) I know the properties of 3D shapes (edges, vertices, faces) I can distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns. 	Length and Height I can choose appropriate units of measure to estimate length, height. I can compare and order measures and record using < > and = I can read scales in divisions of 1s, 2s, 5s and 10s where all numbers on the scale are given. I can estimate whether my answer is reasonable.	

Year 2 Summer Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 (3 days)
S1	and 2/4 of a leng	find, name and write fraction th, shape, set of objects on the equivalence of 2/4 to 1/	quantity	 I can compare and sequence intervals of time - longer, shorter, earlier, later. I can read and write the time on an analogue clock for quarter past and quarter to. I know there are 60 minutes in an hour and 24 hours in a day. 		ASSESSMENT WEEK		
S2	Statistics. I can read bar charts, tally charts, tables and pictograms I can answer simple questions 'how many more?', 'how many fewer?' from bar charts, tally charts, tables and pictograms.	Time Il can read the time on an analogue clock to 5 past I know there are 60 minutes in an hour and 24 hours in a day I can compare and sequence intervals of time - longer, shorter, earlier, later.	I can use representation and Sumber problems and subtraction I can add 2 two with regrouping method with conpictorial representation.	sentations odel) to show olve missing ns for additiondigit numbers and show my	Mass, Capacity and Temperature I can choose appropriate units of measure to estimate length, height, mass, temperature and capacity I can read scales in divisions of 1s, 2s, 5s and 10s where all numbers on the scale are given I can read scales in divisions of 1s, 2s, 5s and 10s where not all numbers on the scale are given	Efficient methods for the four operations Daily arithmetic practice	involving subtracti • I can esti answer is • I can cor	ve problems adding and ng money (£p) imate whether my s reasonable nbine amounts to particular value

Year 3 Autumn Maths Overview

	Week 1 (3	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	days)							
A1	Place Value I know that 1 this to work of 3-digit multip I can undersidigit number, partition then number i.e. 1 I can reason number in the identifying the and 10. I can count in or 100 more 1000 I can companiusing > < and I can divide 1 read scales in 100 with 2, 4 I can read an numerals and	put how many 10 ples of 10. Itand the value of using a place of into different of 143 = 120+23. Itand the location of tens and hundred end or less from any of each of the control of the	on of any three-digit system, including next multiple of 100 lireds and can find 10 y given number up to mbers up to 1000 and 10 equal parts and narked in multiples of al parts.	Measures I can divide 100 into 2,4,5 and 10 equal parts and read scales numbers lines marked in multiples of 100 with 2, 4, 5, and 10 equal parts. I can compare, add and subtract measures length, mass and volume	 I have secure flusubtraction facts continued practice I can estimate the or subtraction can use partition using the most end to the second property of addition. I can use the expandition. I can begin to use for addition. I understand the between addition how both relate a structure Understand and property of addition. I can solve mission using number face 	the answer to an addition alculation oning to add numbers officient method - 253 + 11 = 200 + 50 + 50 + 11 = 200 + 50 + 50 + 11 = 200 + 50 + 50 + 11 = 200 + 50 + 50 + 11 = 200 + 50 + 50 + 11 = 200 + 50 + 50 + 50 + 50 + 50 + 50 + 50	ASSESSME NT WEEK I can count in 2s, 3s, 4s 5s and 10s (both multiples and sequences)	Addition and Subtraction I can use representations (triangle or bar model) to show the inverse to an addition or subtraction calculation and check it is correct. I can solve word problems with increasingly complex addition and subtraction (using representations to help - bar
A2	Roman nume Addition and I can use pa enough to su = 63 I can add an using column	Subtraction rtitioning to mak ubtract - 72 - 9 = d subtract up to nar method. re, add and sub	se numbers large = 60 +12 - 9 = 60 + 3 3 digit numbers tract measures.	 I know what multip recall and use the 2, 4 and 8 times ta recall & use the mines of the end of	with fluency Division cation is commutative eles are multiplication and div bles ultiplication and divisi acts to multiply multip caling facts by 10) g number problems in	ision facts for the 10, 5, on facts for the 3,6 and les of 10 e.g. 2 x 3 = 6 evolving multiplication		model).

I can partition a number into 10s and ones to multiply	
(distributive law)	

Year 3 Spring Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
Sp1	turn and identify rig different orientation I can say if an angla angle I can make 3D shat and name and desting the same of perpendicular and least of per	le is greater or less than a right upes using modelling materials ucribe their properties untal and vertical lines and pairs	divided into 3 equal I know that the der whole has been cu I know that the nur shaded, taken etc. I can recognise ½, I can count in halve fractions are numb I can compare and same denominator I can find unit fract 1/2, 1/4, 3/4 and 1/2	 I can write and interpret unit and non-unit fractions 'The whole is divided into 3 equal parts. 1 of these parts is shaded." (RtP 3F-1) I know that the denominator shows how many equal pieces a whole has been cut up into. I know that the numerator shows how many pieces have been shaded, taken etc. I can recognise ½, ¼, 1/3 and 1/5 of 1 object or several objects I can count in halves and quarters up to 10 recognising that fractions are numbers between whole numbers I can compare and order unit fractions, and fractions with the same denominator using number lines and fraction boards I can find unit fractions of quantities using known division facts e.g. 1/2, 1/4, 3/4 and 1/5 of a set of objects I can add and subtract fractions with the same denominator within 					
Sp2	 I can solve problem simple problems of I can measure the I can read measuri accuracy I can read scales in when not all the nu 	d and subtract measures as involving measures including a scale (by 2 and 10 (3NF-3)) perimeter of a 2D shape and instruments with increasing and divisions of 1s, 2s, 5s and 10s ambers are given. answer to an addition or	division using known I can solve 1 step of division e.g. 'share division') and party need for 8 children representation.	g number problems involv	multiplication and n 8 children (partitive l. How many do you ng pictorial				

Year 3 Summer Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 (3 days)
S1	Fractions, Percentages	and Decimals	•	Measurement	Multiplication and	ASSESSMENT		
	I can count up and down tenth as a whole/object and write it on a number the decimal equivalent board e.g. 1/10 = 0.1 I can recognise and shequivalent fractions I can write and interpredict can reason about the the linear number syst I can describe the relations with the same	wn in tenths and the being divided the line. I can rect to f a tenth using diagram with and non-tenth location of any tem tionship between	d understand a into 10 equal parts cognise and write g a place value ams, simple unit fractions refraction within 1 in	 I can record time in seconds, minutes and hours and can compare lengths of time (e.g. which is longer), using vocab am, pm, noon, midnight. I can tell and write the time to 5 minutes and draw the hands on a clock face to show these times. I can read and write the time to the nearest minute on an analogue clock and compare it to a digital clock. I know that there are 60 seconds in a minute, the number of days in each month, the number of days in a year and leap year. 	Division I can find remainders in division, using known facts - 16/5 will have a remainder of 1. I know what multiples are I can count from 0 in multiples of 4, 8, 50, 100	WEEK		
S2	Money	Mass and Cap	pacity	Statistics		Measurement	Addition a	nd Subtraction
	 a whole/object being divided into 10 equal parts and write it on a number line. I can recognise and write the decimal equivalent of a tenth measures including simple problems of scale (by 2 and 10 - 3NF-3) I can read measuring instruments with increasing accuracy I can read scales in divisions of 		 I can interpret and construct pictograms, tally charts, block diagrams and tables. I can begin to use a range of sorting diagrams - Venn, Carroll etc. I can interpret and present data in charts and graphs including using a scale of 2, 5 and 10 I can solve 2 step problems using the information presented in charts and graphs e.g. how many more/fewer? I can interpret data presented in a range of graphical representations with a greater range of scales 		 I can compare lengths of time using appropriate vocabulary tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 	method to a digit nut of the second s	e the counting on o subtract (2 and umbers) methods (think litting children) d and subtract lumn method up numbers	

			 I can read scales in 100s, 50s and 25s when not all the numbers are given. 	12-hour and 24-hour clocks	
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Year 4 Autumn Maths Overview

	Week 1 (3 days) Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
A1	 Place Value I know that 10 hundreds are equal times the size of 10, and can apply there are in other 4-digit multiples of I can understand the value of each partition into standard and non start + 30 or is 7000 + 400 + 430 I can represent numbers in different 10, etc. I can read Roman numerals to 100 I can reason about the location of a number system, including identifyin 10 and 100 I can compare and order numbers I can say 1000 more or less than a I can round any whole number to the I can count backwards through zer I can divide 1 000 into 2,4,5 and 10 scales/number lines marked in mulequal parts. 	this to work out of 100 digit in a 4 digit in dard ways- i.e. t ways e.g. word any four-digit nun ig the previous a beyond 1000, us iny given number ine nearest 10, 10 to include negal is. equal parts and	how many 100s number and 7830 = 7000, 800 s, numerals, base nber in the linear and next multiple of ing <> = 00 or 1000 ative numbers read	to 20 and 100. I can add 2 digit r numbers using coregrouping I can use represe show the inverse calculations (trian bar model), included a l can add 3 and 4 expanded or form Apply place-value additive and multi (scaling facts by	th all my number bonds numbers and 3 digit plumn addition with entations confidently to operations to check ngle, part-part- whole, ding problem solving. I digit numbers using nal column addition e knowledge to known iplicative number facts 100), for example: 6= 8 so 800+ 600 = 0-600=800 er puzzles (magic	ASSESSMEN T WEEK I can reflect shapes in line symmetry and complete symmetric figures or patterns with respect to a specified line of symmetry. I can read Roman numerals to 100	Length and Perimeter I know centi means '100th of', so centimetre is 100th of a metre and centilitre is 100th of a litre. I can calculate the perimeter of rectangles, including squares in cm and m (4G-2)
A2	Addition and Subtraction I can use column subtraction for 3 digit numbers. I can begin to solve 2 step word problems and use representations to help decide which operations to use (bar model). I can use < > = to complete equality and inequality statements for the four operations (33+17 • 96-45, 11x12 • 10x15) Area I can find the area of rectangles by counting squares. I can use the = subtraction and estimate, compare and calculate measures in a variety of contexts.			o word problems, includes shared equally be as required. ign to write equality smultiplication. plication pyramids and reen multiplication and use the multiplication s	d understand the division. (4MD-2) and division facts for tiples of 10 and 100 e.g.		

Spring Maths Lessons Y4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Sp1	I can recognise far numbers I can recall and untimes tables reco I can recall and unto 12 x 12 I can use formative I can divide 2 dignincluding remained (4NF-2) I can use an expandecimal places by the can solve 2 step drawings to choole.	can apply the distributive actor pairs of a number a ase the multiplication and gnising their relationship ase the multiplication and vertical method to multiplit numbers by increasing ders, interpreted appropriately O (a one digit number) of word problems involving se which operation to use complex scaling problems	division facts for the 6 and 9 to the 3 times tables division facts for all tables up y TO and HTO by O y efficient written methods, ately according to context hod to multiply money with 2 g all 4 operations and use e.	obtuse and reflex ar I can name, describe quadrilaterals and treproperties, inclepara I can use co-ordinate quadrant) (4G-1) I can translate shape describe the movem up/down.(4G-1) I can identify regular triangles and square lengths are equal ar I can identify line sy in different orientations symmetry and compared to the sortion of the symmetry and compared to the symmetry and the	e and sort a variety of riangles based on their allel and perpendicular lines. tes to plot a shape on a grid (1st es on a grid (1st quadrant) and	ASSESSME NT WEEK I can use co-ordinates to plot a shape on a grid (1st quadrant) (4G-1) I can translate shapes on a grid (1st quadrant) and describe the movement using left/right, up/down.(4G-1)
Sp2	number system I can recognise an I know that a hund parts and as 10 pa I can add and subdenominator is the I can convert mixe I can recognise an	nd show equivalent fraction diredth is a whole that has arts of a tenth - linked to re tract improper and mixed e same, including bridging and numbers to improper fr	fractions where the whole numbers actions and vice versa. of shapes, lengths and sets	hundredths and red money • I know the decimal	imal equivalent of tenths and cognise them in the context of equivalent to 1/4, 1/2 and 3/4. mal with one decimal place to a	

Year 4 Summer Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week	Week 8 (3
S1	of decimal p places. I can use bo and recognis 306p = £3.0 I can find the one and two and 100 and the digits in	th the same number places up to 2 decimal of the £ and p in context se equivalence e.g.	Money I can write the decimal equivalent of tenths and hundredths and recognise them in the context of money I can add money with decimal places using an efficient method I can subtract money including decimals using a number line e.g. finding the change from £5.00 I can begin to solve 2 step word problems and use representations to help decide which operations to use (bar model).	diagrams (Venn, Carroll etc) for shapes and numbers.	ASSESSMENT WEEK Time I can read, write and convert time between analogue and digital 12 and 24 hour clocks. I can order periods of time - 48 hours, 1 day, 35 days, 1 month, 1 fortnight.	Statistics • I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	7	days)
S2	 I can explo partitioning (distributive 7x8 by split then calculation I can recognished for the 6 arrecognising the 3 times I can recall multiplication for the 6 arrecognising the 3 times I can recall multiplication for the 6 arrecognising the 3 times 	and use the on and division facts and 9 times tables their relationship to	Time I can read, write and convert time between analogue and digital 12 and 24 hour clocks. I can order periods of time - 48 hours, 1 day, 35 days, 1 month, 1 fortnight. I can solve problems involving calculating lengths of time - crossing hour boundaries	 (kg/g); volume/ca I know centi mear centimetre is 100th centilitre is 100th I can calculate the 	ompare, add and (m/cm/mm); mass pacity (l/ml) ns '100th of', so th of a metre and of a litre. e perimeter of ing squares in cm veen different using my times and divide	Money I can add money decimal places us efficient method. I can subtract mo including decimal a number line e.g the change from second	ney s using . finding	Four Operations I can use < > = to complete equality and inequality statements for the four operations (33+17 • 96-45, 11x12 • 10x15)

Year 5 Autumn Maths Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	(3 days)							
A1	 I can read scales/number lines marked in units of 1, 2, 4, 5 and 10 equal parts I can read write order and compare numbers to 1,000,000 (1 million) and determine the value of each digit I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000 I can solve problems using my understanding of place value 			and check a calculations I can apply pure knowledge to and multiplic (scaling facts hundredth) I can subtract numbers and different numplaces using I can solve minvolving a control of the can solve minvolving a control	column subtraction multi step problems combination of any of	Multiplication and Division I have secure fluency of all multiplication and division facts for tables up to 12x12 and can use them confidently in larger calculations I can use related facts to solve multiplication problems	ASSESSMENT WEEK I have secure fluency of all multiplication and division facts for tables up to 12x12 and can use them confidently in larger calculations	Multiplication and Division I can find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors. I know and use the vocabulary of prime numbers, prime factor and composite (non-prime) numbers
A2	 I can read Roman numerals to 1000 (link to the date/year) Multiplication and Division I can multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places I can recognise squared and cubed numbers and use the correct notation. I can work out if any number to 100 is a prime number and know all primes up to 19. 		 Find equival the same vanumber syst I can compadenominator (simplifying). I can add and denominator improper frale I can add and denominator. I can multiply whole numb. I can recogn 	it fractions of quantities ent fractions and under lue and the same posem re and order fractions are multiples of the lub subtract fractions was including recognising tions to mixed number of subtract fractions was y proper fractions and er using diagrams and	erstand that they have ition in the linear where the same number ith the same g and converting ers ith different imixed numbers by a disconcrete apparatus ths and relate them to			

Spring Maths Lessons Y5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Sp1	to 4 digits by a on I can solve proble I can divide 4 digit of the proble I can begin to rep I can solve proble scaling by simple I can divide 1 into in units of 1 with 2	x TO I vertical method to multiple digit number. The method to multiple digit number involving multiplication of the numbers by one digit uponet remainders appropriates a remainder as a sems involving multiplication fractions, drawing representations, drawing representa	sing a formal written ately in context. fraction or decimal on and division including sentations as required. Is and read scales marked	Geometry I can compare, estimate degrees and draw angles I can identify regular and my knowledge of length rectangles using my knowledge of lengths rectangles using my knowledge of leant and (180 degrees), or at a powithin a right angle (90 degrees) in the can find missing lengths rectangles using my knowledge usin	ASSESSMENT WEEK I can convert units of measure including using common decimals and fractions - i.e 1/4 km = 0.25km, 1/4 km = 0.25km, 1/2 km = 0.5km	
Sp2	Time I can solve problems involving time including time including reading simple timetables I can solve problems which	position in the linear n I know that 100 hundred one and that 1 is 100 is learn convert units of recommon decimals and 0.2km, ½ km = 0.25km. I can reason about the with up to 2 decimal p	actions and understand ne value and the same umber system. edths are the equal to 1 imes the size of 0.01 neasure including using I fractions - i.e ½ km = n, ½ km = 0.5km e location of any number aces within the linear ling identifying the previous	Perimeter and Area I can calculate and compare area of rectangles (incl squares) using standard units I can find missing lengths when calculating the perimeter of composite shapes. I can estimate the area of irregular shapes.	Statistics I can solve comparison, sum and difference problems using information presented in line graphs. I can complete, read and interpret information in tables, including timetables. I can begin to interpret pie charts, using my knowledge of fractions and percentages.	

Summer Maths Lessons Y5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 (3
								days)
S1	 Decimals and Percentages I know that ten tenths are equal to 1 and that 1 is ten times the size of 0.1I can round decimals with 2 decimal places to the nearest whole number and to one decimal place. I can read, write, order and compare numbers that have a mixture of 1, 2 or 3 decimal places. I can recognise and understand % as part of 100 and write a % as a fraction and a decimal. Recall decimal fraction equivalents for ½, ¼, ½, and 1/10 and for multiples of these proper fractions. 		Position and Direction I can identify, describe and draw the position of a shape on a grid after a reflection on a line parallel to the axis. I can identify, describe and draw the position of a shape on a grid after a translation.	ASSESSMENT WEEK I can multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places	Multiplication and Division I have secure fluency of all multiplication and division facts for tables up to 12x12 and can use them confidently in larger calculations			
S2	Revision of square, cube, prime numbers (from fluency sessions) I can solve problems using my knowledge of factors and multiples, squares and cubes.	number system identifying the p multiple of 1 and I can recognise thousandths an	out the location with up to 2 within the linear including revious and next d 0.1 and use d relate them to the and decimal exterpret pie y knowledge of	Negative Numbers I can interpret negative numbers in context I can find the difference between temperatures using negative and positive numbers.	 Measurement I can estimate volume and capacity and explore these concepts using practical materials I can understand and use approximate equivalences between metric units and common imperial units (inches, pounds, pints) I can convert units of measurement to 2 decimal places - i.e. 1.28m = 128 cm and common fractions. I know that milli means '1 000th of' so there are 1 000mm in 1 m and 1 000ml in 1 litre. I can solve problems which involve converting hours to minutes, minutes to seconds, years to months or weeks to days. I can solve problems involving time including reading simple timetables. I can convert units of measure including using common decimals and fractions - i.e ½ km = 0.2km, ½ km = 0.5km 			Time I can solve problems involving time including time including reading simple timetables I can solve problems which involve converting hours to minutes, minutes to seconds, years to months or weeks to days

Year 6 Autumn Maths Overview

	Week 1 (3	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	days)							
A 1	Place Value			4 Operations			ASSESSMEN	Converting
			mpare numbers up			rmal column subtraction	T WEEK	Units
		00 and determine the			dition and subtraction n			• I can use,
		ng partitioning into	standard and		ncreasingly large numb	ers, deciding which		read, write
		d combinations	An a manusimad	operations to u		tiples of 40 and 400 a.m. 0.v.		and convert
		any whole number	to a required	3 = 6 and 200		tiples of 10 and 100 e.g. 2 x		between standard units
	degree of ac	•	al problems related			10, 100 and 1000 giving		of measure
	to all of the	•	ai problems related			To, 100 and 1000 giving		using decimal
			al problems related	 answers up to 3 decimal places I can multiply multi-digit numbers up to 4 digits by a 2-digit whole 				notation up to
	to all of the	•	ai problems related			od of long multiplication		3 decimal
		of all the odd numb	ers to 10			-		places
		the relationship be		I consistently check the reasonableness of my answer in all calculations				I can solve
			on, and use this to	I can solve multi-step word problems and investigations involving				problems
		n number 10, 100,		all 4 operations from a large range of contexts				involving the
		r 1 thousandth time		•	nation to check answer			calculation
	I can reason	about the location	of any number up	determine, in t	he context of a problen	n, an appropriate degree of		and
		, including decimal		accuracy	·			conversion of
	linear numb	er system, and rou	nd numbers, as	I can perform r	mental calculations, inc	luding with mixed operations		units of
	appropriate,	including in contex	<mark>kts</mark>	and large num	bers			measure
	 I can divide 	powers of 10, from	1 hundredth to 10	 I understand th 	nat two numbers can be	e related additively or		using decimal
	million, into	2,4,5 and 10 equal	parts and read	multiplicatively	and quantify the relati	onship between the two		notation up to
	scales/numb	oer lines with labell	ed intervals divided					three decimal
	into 2, 4, 5 a	and 10 equal parts						places

Fraction

- I can use common multiples to express fractions in the same denomination
- Recognise when fractions can be simplified, and use common factors to simplify fractions
- Express fractions in a common denomination and use this to compare fractions that are similar in value.
- I can compare and order any set of fractions including those greater than 1 (unit, proper or improper, or mixed numbers including those with different denominators)
- I can add and subtract fractions and mixed numbers with different denominators using the concept of equivalent fractions
- I can multiply simple pairs of proper fractions and write the answer in its simplest form e.g. 1/4 x 1/2 = 1/8
- I can divide proper fractions by a whole number e.g. 1/3 divided by 2 = 1/6
- I can associate fractions with division and prove decimal equivalence with 1/2, 1/4, 1/5, 1/3.
- I can calculate more complex decimal equivalents (such as 3/8 = 0.375) using my understanding of the equivalence between f,d,p
- I know the value of digits up to 3 decimal places and can multiply and divide numbers by 10, 100 and 1000 with answers up to 3 decimal places

4 Operations

- I can divide numbers up to 4 digits by a 2-digit whole number using long division
- I can divide numbers up to 4 digits by a 2-digit whole number using short division
- I can express a remainder as a whole number remainder, fraction, decimal or rounded according to context
- I can identify common factors, common multiples and prime numbers, with increasingly large numbers
- I can use my knowledge of the four operations to carry out calculations involving the four operations
- I can multiply one-digit numbers with up to two decimal places by whole numbers
- I can use written division methods in cases where the number has up to two decimal places

Spring Maths Lessons Y6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Sp1	Ratio I can solve problems using quantities where missing values integer multiplication I can solve problems involument where the scale factor is k I can solve problems involument grouping using knowled multiples (ratio)	values can be found by and division facts ving similar shapes nown or can be found. ving unequal sharing	Algebra I can use simple formulation in can generate and descendences. I can express missing algebraically I can find pairs of numequation with two unkness is two variables.	scribe linear number number problems bers that satisfy an	Geometry I can accurately draw 2D shapes using given angles and dimensions or area I can recognise, describe and build simple 3D shapes including making nets	ASSESSMEN T WEEK I can recognise vertically opposite angles and use this to calculate missing angles
Sp2	Fractions, Decimals and Perce I can associate fractions with decimal equivalence with 1/2 I can calculate more complex (such as 3/8 = 0.375) using n equivalence between f,d,p I can recall and use equivaler decimals and percentages to 10% of £5.00 or 50% of the te I can solve problems involving percentages [e.g. of measure 360] and the use of percentages	division and prove 1/4, 1/5, 1/3. decimal equivalents by understanding of the ace between fractions, solve problems e.g. eam. g the calculation of s and such as 15% of	Perimeter, Area and Vol I can calculate, estima volume of cubes and cunits e.g. cm^3 I can recognise when if formulae to calculate a can investigate relationand perimeter e.g. shad can have different perimeter of the can substitute values	it is possible to use area or volume onships between area area area area area area area a	Statistics I can interpret and construct pie charts and line graphs I can solve problems using the data from line graphs (including conversion graphs) and pie charts, including those I have constructed myself I can calculate the mean as an average and understand when it is appropriate to find the mean of a set of data	

Summer Maths Lessons Y6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week	Week 8 (3
							7	days)
S1	Geometry I can compare and classify geometric shapes based on their size and properties and can find unknown angles in any triangle, quadrilateral or regular polygon I can illustrate and name parts of a circle including radius, diameter and circumference and know that diameter is twice the radius I can recognise vertically opposite angles and use this to calculate missing angles	Geometry: Position and Direction I can draw and translate simple shapes on a 4-quadrant grid. I can reflect simple shapes on all 4 axes. I can label the axes of a grid in all 4 quadrants and describe a position on the grid.	Statistics I can interpret and construct pie charts and line graphs I can solve problems using the data from line graphs (including conversion graphs) and pie charts, including those I have constructed myself	Revision	SATS week			uayo)
S2	Money Sense I can recall and use equipercentages to solve proteam. I can use related facts to 3 = 6 and 200 x 30 = 600 I can use negative numb across zero I understand the relationshundredth to 10 million, a 100, 1000, 1 tenth, 1 hur I consistently check the realculations	subtraction I can solve addit problems in con deciding which of a can use related 100 e.g. 2 x 3 = I can multiply an 1000 giving ans: I can multiply my 2-digit whole number using lo	rge numbers using tion and subtraction text, with increasir operations to use a diffects to multiply right of and 200 x 30 = 0 and divide numbers wers up to 3 decinulti-digit numbers unber using the for ation abers up to 4 digits no abers up to 4 digits	n multi-step ngly large numbers, and why multiples of 10 and 6000 by 10, 100 and nal places	decompo accordin propertie dimensio	mpose and pose shapes g to given es, including ons, angles and area e related problems.		

Year 6 Objectives

Number - number and place value

Statutory requirements

Pupils should be taught to:

- 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
- solve number and practical problems that involve all of the above.

Number - addition, subtraction, multiplication and division

Statutory requirements

Pupils should be taught to:

- 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 appropriate, interpreting remainders according to the context
- perform mental calculations, including with mixed operations and large numbers
- identify common factors, common multiples and prime numbers
- use their knowledge of the order of operations to carry out calculations involving the four operations
- solve addition and subtraction multi-step problems in contexts, deciding which
 operations and methods to use and why

Statutory requirements

- solve problems involving addition, subtraction, multiplication and division.
- use estimation to check enswers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.

Algebra

Statutory requirements

Pupils should be taught to:

- 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.

Number – fractions (including decimals and percentages)

Statutory requirements

Pupils should be taught to:

- use common factors to simplify fractions; use common multiples to express fractions
 in the same denomination.
- compare and order fractions, including fractions > 1
- add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- multiply simple pairs of proper fractions, writing the enswer in its simplest form.
 For example, \(\frac{1}{2} \times \frac{1}{2} = \frac{1}{2}\)]
- divide proper fractions by whole numbers [for example, $\frac{1}{3} + 2 = \frac{1}{3}$]
- associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, $\frac{3}{2}$)
- identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

Statutory requirements

- 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 claces
- solve problems which require answers to be rounded to specified degrees of accuracy
- recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

Ratio and proportion

Statutory requirements

Pupils should be taught to:

- 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 380) 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.

Measurement

Statutory requirements

Pupils should be taught to:

- 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 to up to three decimal places
- convert between miles and kilometres
- 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 (for example, mm³ and km³).

Geometry - properties of shapes

Statutory requirements

Pupils should be taught to:

- draw 2-D shapes using given dimensions and angles.
- recognise, describe and build simple 3-D shapes, including making nets.
- compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

Statutory requirements

Pupils should be taught to:

- 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.

Statistics

Statutory requirements

Pupils should be taught to:

- interpret and construct pie charts and line graphs and use these to solve problems
- calculate and interpret the mean as an average.