

Maths CURRICULUM MAP 2025-2026



Intent:

Mathematics is essential to everyday life; from science and technology through to the financial literacy required in most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, a sense of enjoyment and curiosity about the subject. By following the national curriculum programme of study, we ensure that our students study a breadth of mathematical concepts based around the key strands of number and place value, four operations, fractions, geometry, measurement and statistics. Each strand is broken down into key topics which are then separated into a sequence of learning objectives which each class moves through at the correct pace for the students.

Our aims within Maths is to ensure that all of our pupils become fluent in the fundamentals of mathematics, including through varied and frequent practice of increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. All of our pupils are given opportunity to reason mathematically, using mathematically language. They solve problems by applying their mathematics in a variety of contexts using different strategies, including breaking down problems into a series of simpler steps and persevering in seeking solutions. We teach Maths using the Maths No Problem scheme (accessed and recognised by the DfE), an approach to teaching maths developed in Singapore. We focus on key aspects of maths such as problem solving, fluency and relational understanding, which are at the heart of the scheme. Using the Concrete Pictorial Abstract (CPA) approach, Maths No Problem allows pupils to spend time to fully explore a topic, reinforcing it with practice, before moving onto the next one. As a whole school, we use the Maths No Problem (MNP) progression framework, where the sequence of lessons is carefully organised with clear lines of progression. SOW allows our teachers to have access to the overview of the National Curriculum topics covered during the school year by term, a full lesson breakdown for each NC topic and the learning objective for each lesson.

By ensuring the fundamentals are embedded during KS1 we create a solid platform on which to build in KS2, with a focus on application of content to complex problems. For those that have not yet mastered the fundamentals there is a continued emphasis on repetition of key concepts. However, for the more able students the SOW is designed so that key concepts are recapped quickly before spending more time exposing students to applied questions to develop depth of understanding and problem-solving techniques. From the SOW, teachers are able to choose the starting point for each unit depending on the needs and the ability of the class. This means that each year students revisit a topic, they start further along the progression through that topic

Implementation:	mplementation:					
		ar 1				
Autumn I	Autumn II	Spring I	Spring II	Summer I	Summer II	
In Autumn 1, year 1 pupils	In Autumn 2, pupils build	In Spring 1, pupils learn the	In Spring 2, pupils learn to	In Summer 1, pupils are	In Summer 2, pupils learn the	
begin by reviewing their	upon their counting skills,	concepts of length, height	use their addition and	introduced to the concept of	concept of volume and	
number recognition and	extending them with	and measurement. They	subtraction skills to solve	dividing/sharing one object	capacity of liquids in their	
formation, using this	numbers up to 20. They also	use vocabulary to compare	word problems. They learn	amongst multiple people or	containers. They describe	
knowledge to learn to count	stretch their adding and	object size based on these	to associate certain words	splitting it into multiple	whether containers are full	
up to 10. Once this is	subtracting skills with these	two dimensions and also	with either the operation of	parts, thus learning fractions	or empty. Pupils describe the	
secured, pupils learn to add	new numbers. Number	describe how some objects	addition or subtraction,	for the first time. They then	capacity of objects in relation	
and subtract numbers up to	bonds are used to aid pupils	may be multiple times as	sometimes using both to	consolidate prior learning of	to other, smaller and more	
10, including number bonds	and speed up the adding	long as others.	solve longer problems.	numbers and place value by	familiar objects. They also	
to 10. At the end of Autumn	and subtracting processes.	Pupils then learn to count	Pupils are then introduced	learning how to count to	use their newfound	
1, pupils learn the basics of	Pupils also learn new	up to 40, building upon	to the concept of grouping,	100. They then learn	knowledge of fractions to	
•	• • • •	their counting and place	repeated addition and	common means of	describe partially full	
particular, they learn to	and 3D shapes and learning	value skills from Autumn.	sharing equally in a	measurement; measuring	containers.	
describe how people and	to recognise the shapes	Content:	mathematical context thus	time and money and apply it	They continue their work on	
objects may complete partial	themselves.		learning the skills of	to real-life problems.	measurement by describing	
or full turns.	Content:		multiplication and division.	Content:	the mass of objects, thus	

Со	nter	nt:
	-	Counting to 10
	-	Comparing numbers
		up to 10
	-	Adding numbers up
		to 10
	-	Subtracting from
		numbers up to 10
	-	Number bonds to 10
	-	Position and

movement;

describing quarter,

half and full turns

- Counting numbers to 20
- Comparing numbers up to 20
- Adding and subtracting numbers to 20
- Recognising and naming 2D shapes
- Recognising and naming 3D shapes

- Measuring height and comparing object heights
- Measuring length and comparing object lengths
- Counting to 40
- Counting in 10s and 1s
 Comparing and
- ordering numbers up to

Content:

- Solving word problems involving addition and subtraction
- Adding equal groups
- Doubling
- Sharing equally to divide

- Making Halves
- Making Quarters
- Sharing objects and parts of objects
- Counting to 100
- Finding tens and ones
- Making Number
 Patterns
- Telling time to the hour
- Telling time to the half hour
- Ordering eventsComparing time

deciding which objects are heavier than others.
Finally, pupils' knowledge of geometry is revisited by describing the positions and movements of objects and people in space.

Content:

- Comparing volume
- Finding capacity
- Describing volume with fractions
- Comparing and finding mass
- Describing positions of objects in space
- Describing movements of objects in space.

	Year 2					
Autumn I	Autumn II	Spring I	Spring II	Summer I & Summer II		
At the start of Year 2, pupils	During this half-term, pupils	Pupils move onto geometry in	Pupils move onto	In Summer 1, in preparation for the SATs		
review numbers up to 20, and	review their understanding of	this half-term, revisiting simple	measurements in Spring 2,	exams, pupils review the topics covered		
extend this to numbers up to	grouping and sharing from	2D and 3D shapes and	where there is greater focus on	throughout the year. The exams occur		
100. Counting in 2s and 3s with	Year 1 and learn how to form	exploring shapes with more	estimating lengths and using a	early in this particular half term.		
number patterns help to	division sentences. Pupils learn	vertices and sides. Pupils learn	ruler to measure. Pupils learn			
reinforce their understanding of	how to divide by by 2, 5 and	how to draw shapes and their	to differentiate centimetres	For the rest of the term and Summer 2,		
place value. Column method	10. After this, pupils focus on	lines of symmetry and deepen	and metres and apply their	pupils focus on their completing and		
addition and subtraction with	understand how to count,	understanding of how to move	knowledge to word problems.	reviewing topics in preparation for Year 3.		
renaming is introduced for the	exchange and compare money	and turn shapes in different	Pupils learn how to measure	Pupils learn how to tell the time and draw		
first time. Pupils review equal	and consolidate their	directions. With a good	the mass of objects in both	different times to 5 minutes. This allows		
groups and learn for the first	understanding of addition and	understanding of shapes, pupils		pupils to compare times more precisely		
time how this can be	subtraction to solve money	learn new ways of representing	word problems involving	and work out when events happen in		
represented as multiplication.	problems.	fractions, including learning	different kinds of	relation to other events and their		
They apply this knowledge in		about thirds. Pupils strengthen	measurements. Pupils also	duration. Finally, pupils revisit how to		
	Content:	their understanding and	consolidate their	compare the volume of liquid in different		

learning the 2,	5 and 10 times
table.	

Content:

- Counting in tens and ones.
- Comparing numbers up to 100
- Counting with number patterns
- Adding numbers up to 100
- Subtracting numbers up to 100
- Multiplying by 2, 5 and 10.

Solving word problems involving multiplication

- **Grouping & Sharing**
- Dividing by 2, 5 and 10
- Solving word problems involving division
- Counting money using notes and coins
- **Exchanging** and comparing amounts of money.
- Calculating total amounts.
- Solving word problems involving money.

fluency of multiplication and division by finding different fractions of amounts.

Content:

- Identifying sides and vertices of 2D shapes
- Identifying shapes with lines of symmetry
- Sorting and drawing shapes
- Making and describing patterns
- Moving and turning shapes
- Identifying 3D shapes
- Showing halves, quarters and thirds
- Naming fractions
- Making 1 whole
- Counting in halves, quarters and thirds
- Finding part of a set and quantity

understanding of the four operations and learn how to bar models.

Content:

- Measuring lengths in metres and centimetres
- Comparing lengths
- Solving word problems involving length
- Measuring mass in kilograms and grams
- Comparing the mass of objects
- Solving word problems involving mass.
- Solving word problems involving addition and subtraction using bar models

containers and learn how to measure different volumes using standard units. represent word problems using Pupils apply their knowledge of volume to word problems. Pupils become more familiar with representing these word problems using bar models, so pupils understand conceptually how to choose the correct operation to solve problems.

Content:

- Writing and telling the time
- Sequencing events
- Drawing clock hands
- Finding durations of time
- Finding start times and end times
- Comparing durations of times
- Comparing and measuring volume in litres and millilitres
- Solving word problems involving volume
- Reading and estimating temperatures

Pictograms

Year 3 Autumn I Autumn II Spring I Spring II Summer I Summer II Once Addition and As year 3 begins, pupils In Spring 1, pupils begin In Spring 2, pupils review and At the start of the In Summer 2, pupils practice and review place value subtraction is complete, practicing the basic fractions practice telling the time using work on their last summer term, skills learned in year 1 and 2, pupils will proceed to skills learned in year 2, before clocks and eventually move on pupils are measurement-based extending them to read and multiplication and division. they learn how to count in topic, namely to measuring time with introduced to finding the write numbers to 1,000, whilst Autumn 2 places a great tenths, eventually seeing minutes, seconds, as well as statistics; namely hours and days. This is also being able to count with emphasis on these topics. fractions as representations reading pictograms perimeter of 2D consolidated by converting number patterns, such as This begins with reviewing of division. A great emphasis and bar charts. This shapes. This begins adding and taking away 50s. the 2, 5 and 10 times tables, is placed upon finding between seconds and minutes. is followed by a unit by measuring the The same occurs with addition which are covered in year 2. equivalent fractions, before Pupils learn to find durations of geometry, in sides of shapes, and subtraction, with year 3 They move on to learning the using this skill to compare and which pupils learn eventually moving of events as well, thus pupils adding and subtracting practicing their problemon to using 3, 4 and 8 times tables, also order fractions. The unit ends the properties of 2D numbers within 1,000, both learning them "backwards" to with adding and subtracting solving skills. Pupils continue shapes and thus strategies to find with and without renaming. help them when they move fractions and solving word the theme of measurement by learn to recognise overall perimeters learning how to measure, read onto dividing. problems involving fractions. and label them. The for shapes such as Content:

- Counting in hundreds, tens and ones
- Comparing numbers up to 1,000
- Counting with number patterns
- Adding numbers to 1,000
- Subtracting from numbers up to 1,000

Autumn I

When their times tables are secure, pupils move to both multiplying and dividing 2digit numbers using formal written methods.

Finally, these skills are used to solve worded problems.

Content:

- Multiplying by 3, 4 and
- Dividing by 3, 4 and 8
- Multiplying 2-digit numbers
- Dividing 2-digit numbers
- Solving word problems involving multiplication and division

Autumn II

Pupils then learn how to count money, especially understanding how 100 pence is equivalent to 1 pound. They then learn to add and subtract money, using these skills to solve worded reasoning questions.

Content:

- Counting in tenths
- Fractions as division
- Finding equivalent fractions
- Comparing and ordering fractions
- Adding and subtracting fractions
- **Counting Money**
- Adding and subtracting money

Spring I

and write the length, mass and volume of objects with their respective units.

Content:

- Telling the time
- Counting minutes and seconds
- Finding the number of days
- Finding durations
- Measuring object lengths in metres, centimetres and millimetres.
- Reading weighing scales with grams and kilograms
- Measuring, reading and writing capacity in litres and millilitres

Spring II

same applies to lines; namely identifying parallel, horizontal, perpendicular and vertical lines. Pupils then learn how to find angles and compare them in terms of angle size.

Content:

- Reading and drawing pictograms
- Reading and drawing bar graphs
- Properties of 2D shapes
- Parallel, perpendicular , horizontal and vertical lines

Summer I

rectangles. **Content:**

- Measuring the sides of shapes
- Measuring perimeters of shapes
- Calculating perimeters of shapes

Summer II

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At the start of year 4, place	A great deal of emphasis is	Pupils revisit previous	The focus for Spring 2 is	Pupils start their last	Pupils revisit how to
value skills that pupils have	placed upon multiplication and	knowledge of fractions and	measurement. Pupils'	term by revisiting	read bar and line
learned in previous years are	division at this stage of the	build upon them, working with	newfound understanding of	prior knowledge of	graphs in order to
revisited and built upon.	academic year. Year 4 pupils	mixed numbers and improper	decimals will allow them to	time (reading clocks	learn how to read and
Rounding numbers and	will learn the times tables that	fractions for the first time when	more easily access the topics of	and converting	plot points on a grid,
estimation is taught for the first	have not been covered in	adding and subtracting them.	money, and unit conversion.	between minutes,	thus describing the
time, before pupils move on to	previous years, consolidate	Pupils also learn how to find	They complete their work on	hours and seconds),	position and
consolidating their ability to	their previous times table	equivalent fractions, using this	measurement by consolidating	before learning how	movement of shapes.
add and subtract from previous	knowledge and eventually use	same skill to simplify them.	previous knowledge of	to calculate the	This also serves to
years.	it to learn and practice formal	Decimals are then introduced	pictograms and bar graphs to	duration of an event.	consolidate pupils'
Content:	methods of multiplying and	for the first time, feeding into	learn how to read and draw line	Once this is complete,	newfound knowledge
 Counting in 25s and 	dividing larger numbers.	previous place value skills	graphs.	pupils learn how to	of the different types
100s	Content:	(comparing, ordering and	Content:	calculate the area and	of triangles and
- Counting in 1000s,	- Multiplying by 6, 7, 9,	rounding decimals). Pupils also	 Four operations with 	perimeters of 2D	quadrilaterals. The
hundreds, 10s and 1s	11 and 12	learn to convert between	amounts of money	shapes. This is	last topic pupils learn

Year 4

- Comparing and **Ordering Numbers**
- Rounding and **Estimating**
- Adding within 10,000
- Subtracting within 10,000
- Dividing by 6, 7, 9, 11 and 12
- Dividing with remainders
- Multiplying by 0 and 1
- Dividing by 1
- Multiplying by multiples of 10 and 100
- Multiplying 2 and 3digit numbers by 1-digit numbers
- Dividing 2 and 3digit numbers
- Solving word problems involving multiplication and division

fractions and decimals, building an understanding of eguivalence.

Content:

- Simplifying fractions
- **Equivalent fractions**
- Adding and subtracting fractions
- Solving word problems involving fractions
- Writing fractions as decimals
- Comparing, ordering and rounding decimals

- Solving word problems involving money
- Converting units of measurement (mass, length, volume)
- Drawing and reading pictograms
- Drawing and reading bar graphs
- Drawing and reading line graphs

followed by learning facts pertaining to geometry. In particular, pupils learn and write Roman how to identify different types of angles, triangles and quadrilaterals.

Content:

- Converting units of time (seconds, minutes, hours, days, weeks, months and vears)
- Calculating durations
- Finding the perimeter of a shape
- Finding the area of a shape
- Identifying different types of angles
- Identifying types of triangles
- Identifying types of quadrilaterals

numerals; specifically learning how to read numerals from 1 to 100. Any remaining time in the year is spent revisiting topics from year 4 and ensuring that it is committed to pupils' long-term memory.

in year 4 is Roman

Content:

- Reading coordinates on a grid
- **Plotting** coordinates on a grid
- Describing movements on a grid
- Roman numerals from 1 to 100.

		Year 5			
Autumn I	Autumn II	Spring I	Spring II	Summer I	Summer II
In this half-term, using prior knowledge of 4-digit numbers, pupils build a solid understanding 5 and 6-digit numbers and their place values. Pupils consolidate understanding of simple operations using these numbers, and applying addition and subtraction to solve reallife problems. Content	Pupils learn multiple methods when multiplying and dividing to develop fluency and build an in depth understanding of the reasons for each step of the process. Pupils represent their understanding using bar models to relate their understanding to real-life. Pupils revisit fractions and learn how to manipulate fractions of different denominators. Content - Multiplying 3-digit numbers by 2-digit numbers - Dividing by single digit numbers without/with a remainder - Solving one-step and multi-step word problems using bar models - Improper fractions,	Spring I The focus for Spring 1 is decimals, where children consolidate their understanding of place value using tenths, hundredths and learn how to identify thousandths. Pupils perform addition and subtraction calculations using decimals across various contexts. Pupils learn percentages and apply	Spring II Pupils learn about angles, particularly how to measure them using a protractor. Pupils revisit polygons and learn how to analyse figures and polygons and identify different angles within them. Pupils revisit grid coordinates, translations and reflections from Year 4 and learn how to identify multiple movements of polygons on a coordinate grid. Content Types of angles Measuring and drawing angles Finding angles Angles in quadrilaterals Regular and irregular polygons Grid coordinates Translations and Reflections Converting between units of length, mass and volume	Pupils continue to deepen their understanding of geometry, in particular, area, perimeter and volume. Pupils review knowledge and area and perimeter and learn how to manipulate complex shapes in order to estimate or find their area or perimeter. Pupils are introduced to the volume of solids for the first time, manipulating multi-link cubes to assist in their three-dimensional understanding.	Summer II Pupils revisit roman numerals from 1 to 1000 and review how to read negative numbers. Pupils review how to read line graphs and deepen their understanding of using line graphs to represent realistic data. Any remaining time in the year is spent revisiting topics from year 4 and ensuring that it is committed to pupils' long-term memory. Content - Negative Numbers - Roman Numerals - Revision of Key Topics

	Multiplying fractions			Cating ating area	
	- Multiplying fractions			- Estimating area	
	and mixed numbers by			 Volume of solids, 	
	whole numbers.			cuboids and	
				liquids	
				- Solving problems	
				involving volume	
				mivolving volume	
		Year 6			
Autumn I	Autumn II	Spring I	Spring II	Summer I	Summer II
he first half term of year 6	In Autumn 2, pupils will review	In Spring 1, pupils learn Algebra	In Spring 2, pupils complete	In Summer 1, in	The enrichment-
pegins with pupils consolidating	prior knowledge of decimals. In	for the first time, using	their work with statistics and	preparation for	focused lessons
place value skills from previous	particular, writing fractions as	previously taught skills with bar	averages, using knowledge of	the SATs exams,	that year 6 pupils
ears and extending their use	decimals and dividing whole	modelling to help access the	ratio and percentages to work	pupils review the	begin in Summer
o numbers up to 10 million.	numbers by multiples of 10,	new knowledge. They use this	with pie charts. They then work	topics covered	1 continue into
This is followed by a review of	100 and 1000, before they use	newfound algebraic knowledge	on geometry, first learning the	throughout the	Summer 2. A
heir knowledge of formal	these skills to multiply and	to solve word problems. Pupils	properties of shapes and thus	year. The exams	transition unit is
nethods for the four	divide decimals with formal	then review finding area and	identifying different 2D and 3D	occur early in this	also covered, thus
perations and the order of	written methods. Their	perimeters of 2D shapes and	shapes. They complete this unit	particular half	preparing the
perations. The half term ends	knowledge of fractions and	begin work on statistics, in	by learning to find missing	term. After these	year 6 pupils for
with pupils using the four	decimals is used to practice	particular finding averages and	angles in shapes such as	exams are	their secondary
operations on fractions,	finding percentages of	presenting data on graphs.	triangles and quadrilaterals.	complete, year 6	education phase.
ncluding simplifying them.	numbers, increasing and	Content:	They then use their knowledge	pupils practice	·
Content:	decreasing percentages.	 Writing algebraic 	of 2D shapes to aid in	using the	
 Reading and writing 	Problem solving skills are then	equations	describing position and	knowledge they	
numbers to 10	emphasised with work on ratios	 Solving algebraic 	movements of shapes on a grid.	have gained to	
million	and measurements, including	equations	The year 6 curriculum finishes	explore topics	
- Rounding numbers	converting between different	 Using algebra to solve 	with pupils learning to find the	designed with the	
to the nearest 10,	units of measurement.	word problems	volume of cuboids and working	express purpose	
100, 1000, 10,000,	Content:	 Finding the area and 	backwards to find missing	of enrichment,	
100,000 and	 Writing Fractions as 	perimeter of 2D shapes	single dimensions.	such as fractals	
1,000,000	Decimals	 Statistics: finding the 	Content:	seen in nature	
- Order of	- Dividing whole	mean	 Solving problems 	and measurement	
operations,	numbers by multiples	 Presenting data on bar 	involving pie charts	in sports.	
brackets and	of 10, 100 and 1000	graphs and line graphs	 Properties of 2D shapes 	•	
indices	 Multiplying and dividing 		- Properties of 3D shapes		
 Multiplying four- 	decimals		 Finding missing angles 		
digit numbers by	 Finding percentages of 		in shapes and across		
two-digit numbers	numbers		straight lines		
9			 Position and movement 		

 Dividing four-digit 	 Finding percentage 	- Finding the volume of
numbers by two-	increases and	cuboids
digit numbers	decreases	
 Adding and 	 Dividing and 	
subtracting	multiplying with ratios	
fractions with	 Converting units of 	
different	measurement	
denominators		
 Multiplying and 		
dividing fractions		
- Simplifying		
fractions		

Enrichment Opportunities:

To further enrich the Mathematics curriculum, pupils are provided with regular opportunities to participate in a range of activities, including:

- **First Mathematics Challenge (Years 2 and 3):** Introduces younger pupils to mathematical problem-solving that encourage pupils to think outside the box and approach problems logically.
- **Primary Mathematics Challenge (Year 5):** A competition for pupils which encourages enthusiasm, boosts confidence in mathematics, and exposes pupils to different styles of questioning. High-scoring pupils are invited to take part in the Bonus Round.
- Junior Mathematics Challenge (Year 6): Pupils take part in this national competition, with high scorers invited to the next round, the Junior Kangaroo or Olympiad Challenge.
- In-School Mathematics House Competition: A whole-school event that fosters teamwork, enjoyment, and healthy competition in mathematics.
- Times Table Champion Program: A whole school program, where pupils take a times table test each half term to earn a badge.
- Year 6 Maths Boosters: After-school sessions where pupils practice and consolidate their mathematical skills.