

	Unit	Unit name
Autumn 1	1	Review of column addition and subtraction
	2	Numbers to 10,000
	3	Perimeter
Autumn 2		
	4	3, 6, 9 times tables
Spring 1	5	7 times table and patterns
Spring 2	6	Understanding and manipulating multiplicative relationships
	7	Coordinates
Summer 1	8	Review of fractions
	9	Fractions greater than 1
Summer 2	10	Symmetry in 2D shapes
	11	Time
	12	Division with remainders
	13	Statistics
	14	Money

	Number and place value
	Number facts
	Addition and subtraction
	Multiplication and division
	Fractions
	Geometry
	Other

Year 4

Curriculum map

Year 4

Measurement and Statistics are integrated as applications of number criteria, and elements of measurement that relate to shape are included in the Geometry strand.

Pre-assessment ready-to-progress questions used at the start of a unit to check that pupils have the pre-requisite knowledge and skills.

SEND PRIORITISATION

1	<p>Review of column addition and subtraction</p> <ul style="list-style-type: none"> 3AS–2 Add and subtract up to three-digit numbers using columnar methods. 3A Unit 3 Addition and subtraction (2) Lesson 1 Add two numbers Lesson 4 Add two numbers (across 100) Lesson 7 Add a 3-digit number and a 2-digit number 1.20 Algorithms: column addition <p>4A Unit 3 Addition and Subtraction</p> <p>Lesson 3 Add two 4-digit numbers – one exchange</p> <p>Lesson 4 Add with more than one exchange</p> <ul style="list-style-type: none"> 1.21 Algorithms: column subtraction <p>4A Unit 3 Addition and Subtraction</p> <p>Lesson 6 Subtract two 4-digit numbers – one exchange</p> <p>Lesson 7 Subtract two 4-digit numbers-more than one exchange</p> <p>Lesson 9 Efficient methods</p> <p>Lesson 11 Estimate answers</p> <p>Lesson 12 Check strategies</p> <p>Lesson 16 Problem solving-multi-step problems</p>
2	<p>Numbers to 10,000</p> <ul style="list-style-type: none"> 4NPV–1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100. <p>4A Unit 1 Place value – 4-digit numbers (1)</p> <ul style="list-style-type: none"> Lesson 2 Number line to 1,000 Lesson 3 Multiples of 1,000 Lesson 4 4-digit numbers Lesson 8 1,000s, 100s, 10s and 1s <ul style="list-style-type: none"> 4NPV–2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning. <p>4A Unit 1 Place value – 4-digit numbers (1)</p> <ul style="list-style-type: none"> Lesson 5 Partition 4-digit numbers Lesson 6 Partition 4-digit numbers flexibly <ul style="list-style-type: none"> 4NPV–3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each. <p>4A Unit 1 Place value – 4-digit numbers (1)</p> <ul style="list-style-type: none"> Lesson 7 1, 10, 100, 1,000 more or less <p>4A Unit 2 Place value – 4-digit numbers (2)</p> <ul style="list-style-type: none"> Lesson 1 Number line to 10,000 Lesson 2 Between two multiples Lesson 3 Estimate on a number line to 10,000 Lesson 4 Compare and order numbers to 10,000 Lesson 5 Round to the nearest 1,000 Lesson 6 Round to the nearest 100 Lesson 8 Round to the nearest 1,000, 100 or 10 <ul style="list-style-type: none"> 4NPV–4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts. <p>4A Unit 1 Place value – 4-digit numbers (1)</p> <ul style="list-style-type: none"> Lesson 2 Number line to 1,000 <ul style="list-style-type: none"> 4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100). <p>4A Unit 3 Addition and subtraction</p> <ul style="list-style-type: none"> Lesson 1 Add and subtract 1s, 10s, 100s, 1,000s <p>1.22 Composition and calculation: 1,000 and four-digit numbers</p>
3	<p>Perimeter</p> <ul style="list-style-type: none"> 4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons. <p>4C Unit 14 Geometry – angles and 2D shapes</p> <ul style="list-style-type: none"> Lesson 1 Identify angles Lesson 2 Compare and order angles Lesson 3 Triangles Lesson 4 Quadrilaterals Lesson 5 Polygons Lesson 6 Reason about polygons <p>4B Unit 7 Length and perimeter</p> <p>Lesson 1 Measure in km and m</p> <p>Lesson 2 Perimeter on a grid</p> <p>Lesson 3 Perimeter of a rectangle</p> <p>Lesson 4 Perimeter of rectilinear shapes</p>

	Number and place value
	Number facts
	Addition and subtraction
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Dark grey references are ready-to-progress criteria from the DfE Guidance 2020

Light grey references are from the NCETM Primary Mastery Professional Development materials

Blue references key Power Maths lessons

	<p>Lesson 6 Perimeter of polygons</p> <ul style="list-style-type: none"> 2.16 Multiplicative contexts: area and perimeter 1 <p>4A Unit 4 Measure- area</p> <p>Lesson 1 What is area?</p> <p>Lesson 3 Count squares</p> <p>Lesson 5 Compare area</p>
4	<p>3, 6, 9 times tables</p> <ul style="list-style-type: none"> 4NF–1 Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number. <p>4A Unit 5 Multiplication and division (1)</p> <ul style="list-style-type: none"> Lesson 1 Multiples of 3 Lesson 2 Multiply and divide by 6 Lesson 3 6 times-table and division facts Lesson 4 Multiply and divide by 9 Lesson 5 9 times-tables and division facts Lesson 6 The 3, 6 and 9 times-tables <ul style="list-style-type: none"> 2.8 Times tables: 3, 6 and 9, and the relationship between them
5	<p>7 times table and patterns</p> <ul style="list-style-type: none"> 4NF–1 Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number. <p>4A Unit 5 Multiplication and division (1)</p> <ul style="list-style-type: none"> Lesson 7 Multiply and divide by 7 Lesson 8 7 times-tables and division facts Lesson 9 11 and 12 times-tables and division facts Lesson 10 Multiply by 1 and 0 Lesson 11 Divide by 1 and itself <ul style="list-style-type: none"> 2.9 Times tables: 7 and patterns within/across times tables
6	<p>Understanding and manipulating multiplicative relationships</p> <ul style="list-style-type: none"> 4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. <p>4B Unit 6 Multiplication and division (2)</p> <ul style="list-style-type: none"> Lesson 1 Factor pairs Lesson 2 Multiply and divide by 10 Lesson 3 Multiply and divide by 100 <ul style="list-style-type: none"> 4MD–2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. <p>4A Unit 5 Multiplication and division (1)</p> <p>Lesson 12 Multiply three numbers</p> <ul style="list-style-type: none"> 4MD–3 Understand and apply the distributive property of multiplication. <p>4B Unit 6 Multiplication and division (2)</p> <ul style="list-style-type: none"> Lesson 6 Multiply and add Lesson 7 Informal written methods <p>4B Unit 6 Multiplication and division (2)</p> <p>Lesson 9 Multiply 3 digits by 1 digit</p> <p>Lesson 10 Solve multiplication problems</p> <p>Lesson 14 Divide 3-digit numbers</p> <ul style="list-style-type: none"> 4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) <p>4B Unit 6 Multiplication and division (2)</p> <ul style="list-style-type: none"> Lesson 4 Related facts – multiplication Lesson 5 Related facts – division <ul style="list-style-type: none"> 2.10 Connecting multiplication and division, and the distributive law 2.13 Calculation: multiplying and dividing by 10 or 100 <p>4B Unit 10 Decimals (1)</p> <ul style="list-style-type: none"> Lesson 1 Tenths as fractions Lesson 2 Tenths as decimals Lesson 5 Tenths on a number line (2) Lesson 6 Divide 1 digit by 10 Lesson 7 Divide 2 digits by 10 Lesson 8 Hundredths as fractions Lesson 9 Hundredths as decimals Lesson 11 Divide 1 or 2 digits by 100 Lesson 12 Divide by 10 and 100
7	<p>Coordinates</p> <ul style="list-style-type: none"> 4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant. <p>4C Unit 16 Geometry – position and direction</p> <p>Lesson 2 Describe position using coordinates</p> <p>Lesson 3 Plot coordinates</p> <p>Lesson 4 Draw 2D shapes on a grid</p> <p>Lesson 5 Translate on a grid</p> <p>Lesson 6 Describe translation on a grid</p>

8	<p>Review of fractions</p> <ul style="list-style-type: none"> • 3F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. • 3.1 Preparing for fractions: the part–whole relationship
9	<p>Fractions greater than 1</p> <p>4F–1 Reason about the location of mixed numbers in the linear number system.4B Unit 8 Fractions (1) Lesson 2 Partition a mixed number Lesson 3 Number lines with mixed numbers Lesson 4 Compare and order mixed numbers Lesson 8 Equivalent fraction families Lesson 9 Simplify fractions</p> <p>4F–2 Convert mixed numbers to improper fractions and vice versa. 4B Unit 8 Fractions (1) Lesson 5 Convert mixed numbers to improper fractions Lesson 6 Convert improper fractions to mixed numbers</p> <p>4F–3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers. 3.5 Working across one whole: improper fractions and mixed numbers 4B Unit 9 Fractions (2) <ul style="list-style-type: none"> • Lesson 1 Add and subtract two or more fractions • Lesson 2 Add fractions and mixed numbers • Lesson 3 Subtract from mixed numbers • Lesson 4 Subtract from whole amounts • Lesson 5 Problem solving – add and subtract fractions (1) • Lesson 6 Problem solving – add and subtract fractions (2) </p> <p>4C Unit 11- Decimals (2) Lesson 2 Partition decimals Lesson 3 Flexibly partition decimals Lesson 4 Compare decimals Lesson 5 Order decimals Lesson 6 Round to the nearest whole Lesson 7 Halves and quarters as decimals</p>
10	<p>Symmetry in 2D shapes</p> <ul style="list-style-type: none"> • 4G-3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry. • 4C Unit 14 Geometry – angles and 2D shapes • Lesson 7 Lines of symmetry • Lesson 8 Complete a symmetric figure
11	<p>Time</p> <ul style="list-style-type: none"> • This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery PD Materials. <p>4C Unit 13 Time</p> <ul style="list-style-type: none"> • Lesson 1 Years, months, weeks and days • Lesson 2 Hours, minutes and seconds • Lesson 3 Convert between analogue and digital times • Lesson 4 Convert to the 24 hour clock
12	<p>Division with remainders</p> <ul style="list-style-type: none"> • 4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders. • 4B Unit 6 Multiplication and division (2) • Lesson 11 Basic division • Lesson 12 Division and remainders • Lesson 13 Divide 2-digit numbers • 2.12 Division with remainders
13	<p>Statistics</p> <p>This topic is part of the National Curriculum but is not included in the DfE 2020 guidance or the NCETM Mastery PD Materials.</p> <p>3C Unit 15-Statistics</p> <ul style="list-style-type: none"> • Lesson 1 Interpret charts • Lesson 3 Solve problems with charts (2) • Lesson 5 Interpret line graphs (2) • Lesson 6 Draw line graphs

Money

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3C Unit 12-Money

- [Lesson 1 Write money using decimals](#)
- [Lesson 2 Convert between pounds and pence](#)
- [Lesson 3 Compare amounts of money](#)
- [Lesson 5 Calculate money](#)

