SHOBNALL PRIMARY SCHOOL
MATHEMATICS PROGRAMME OF STUDY
YEAR 3 LONG TERM OVERVIEW

YEAR 3 MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

Week	Unit	Lesson titles	Domain	National Curriculum Pupils should be taught to:
1	*Unit 1 – Place value within 1,000*	Lesson 1 – Counting in 100s	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 2 – Representing number to 1,000	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 3 – 100s, 10s and 1s (1)	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 4 – 100s, 10s and 1s (2)	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
2		Lesson 5 – The number line to 1,000 (1)	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 6 – The number line to 1,000 (2)	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens and ones). • Compare and order numbers up to 1,000. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 7 – Finding 1, 10 and 100 more or less	Number – number and place value	• Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. • Recognise the place value of each digit in a three-digit number (hundreds, tens and ones). • Identify, represent and estimate numbers using different representations.

3		Lesson 8 – Comparing umbers to 1,000 (1)	Number – number and place value	• Compare and order numbers up to 1,000. • Identify, represent and estimate numbers using different representations. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 9 – Comparing umbers to 1,000 (2)	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens and ones). • Compare and order numbers up to 1,000. • Solve number problems and practical problems involving these ideas.
		Lesson 10 - Ordering numbers to 1,000	Number – number and place value	• Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones). • Compare and order numbers up to 1,000. • Read and write numbers up to 1,000 in numerals and in words.
		Lesson 11 – Counting in 50s	Number – number and place value	• Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. • Solve number problems and practical problems involving these ideas.
4	*Unit 2 – Addition and subtraction (1)*	Lesson 1- Adding and subtracting 100s	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
		Lesson 2 – Adding and subtracting a 3-digit number and 1s	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
		Lesson 3 – Adding a 3-digit number and 1s	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
		Lesson 4 – Subtracting 1s from a 3-digit number	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
		Lesson 5 – Adding and subtracting a 3-digit number and 10s	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
5		Lesson 6 – Adding a 3-digit number and 10s	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds.
		Lesson 7 – Subtracting 10s from a 3-digit number	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
		Lesson 8 – Adding and subtracting a 3-digit and 2-digit number	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

		Lesson 9 - Adding a 3-digit and 2-digit number	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
6		Lesson 10 – Subtracting a 2-digit number from a 3-digit number	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
	Unit 3 – Addition and Subtraction (2)	Lesson 1- Addition and subtraction patterns	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
		Lesson 2 – Adding two 3-digit numbers (1)	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
		Lesson 3 – Adding two 3-digit numbers (2)	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
7		Lesson 4 – Subtracting a 3-digit number from a 3-digit number (1)	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

YEAR 3 MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

		Lesson 5 – Subtracting a 3-digit number from a 3-digit number (2)	Number – Addition and subtraction	• Add and subtract numbers mentally, including: - a three-digit number and ones - a three-digit number and tens - a three-digit number and hundreds. • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
		Lesson 6 – Estimating answers to additions and subtractions	Number – Addition and subtraction	• Estimate the answer to a calculation and use inverse operations to check answers.
		Lesson 7 – Checking strategies	Number – Addition and subtraction	• Estimate the answer to a calculation and use inverse operations to check answers.
8		Lesson 8 – Problem solving – addition and subtraction (1)	Number – Addition and subtraction	• Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
		Lesson 9 – Problem solving – addition and subtraction (2)	Number – Addition and subtraction	• Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
	Unit 4 – Multiplication and division (1)	Lesson 1- Multiplication – equal grouping	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Lesson 2 – Multiplying by 3	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
9		Lesson 3 – Dividing by 3	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

YEAR 3 MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

				• 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. • 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.
		Lesson 4 – 3 times-table	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems
		Lesson 5 – Multiplying by 4	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Lesson 6 – Dividing by 4	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		NTS ASSESSMENTS		

YEAR 3 MATHEMATICS LONG TERM OVERVIEW

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

10			*NTS ASSESSMENTS*	
	Unit 4 - Multiplication and division (1)	Lesson 7 – 4 times-table	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Lesson 8 – Multiplying by 8	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
11		Lesson 9 – Dividing by 8	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Lesson 10 – 8 times-table	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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.

				• 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.
		Lesson 11 – Problem solving – multiplication and division (1)	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Lesson 12 – Problem solving – multiplication and division (2)	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
12		Lesson13 – Understanding divisibility (1)	Number-Multiplication and division	• 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.
		Lesson 14 – Understanding divisibility (2)	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.

		Lesson 15 – Related facts – multiplication and division	Number-Multiplication and division	• Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. • 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. • 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.
		Consolidation session to embed skills		
1	*Unit 5 – Multiplication and division (2)*	Lesson 1 – Comparing multiplication and division statements (1)	Number-Multiplication and division	• 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.
		Lesson 2 – Related multiplication calculations	Number-Multiplication and division	• 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.
		Lesson 3 - Related multiplication and division calculations	Number-Multiplication and division	• 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.
		Lesson 4 – Comparing multiplication and division statements (2)	Number-Multiplication and division	• 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.
2		Lesson 5 – Multiplying a 2-digit number by a 1-digit number (1)	Number-Multiplication and division	• 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.
		Lesson 6 – Multiplying a 2-digit number by a 1-digit number (2)	Number-Multiplication and division	• 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.

		Lesson 7– Multiplying a 2-digit number by a 1-digit number (3)	Number-Multiplication and division	• 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.
		Lesson 8 – Dividing by a 2-digit number by a 1-digit number (1)	Number-Multiplication and division	• 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.
3		Lesson 9 – Dividing by a 2-digit number by a 1-digit number (2)	Number-Multiplication and division	• 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.
		Lesson 10 – Dividing by a 2-digit number by a 1-digit number (3)	Number-Multiplication and division	• 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.
		Lesson 11 – How many ways?	Number-Multiplication and division	• 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.
		Lesson 12 – Problem solving – mixed problems (1)	Number-Multiplication and division	• 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. • 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.
4		Lesson13 – Problem solving – mixed problems (2)	Number-Multiplication and division	• 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. • 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.
		Lesson 14 – Problem solving – mixed problems (3)	Number-Multiplication and division	• 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.

				• 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.
	Unit 6 - Money	Lesson 1 – Pounds and pence	Measurement	• Add and subtract amounts of money to give change, using both £ and p in practical contexts
		Lesson 2 – Converting pounds and pence	Measurement	• Add and subtract amounts of money to give change, using both £ and p in practical contexts
5		Lesson 3 – Adding money	Measurement	• Add and subtract amounts of money to give change, using both £ and p in practical contexts
		Lesson 4 – Subtracting amounts of money	Measurement	• Add and subtract amounts of money to give change, using both £ and p in practical contexts
		Lesson 5 – Problem solving - money	Measurement	• Add and subtract amounts of money to give change, using both £ and p in practical contexts
	Unit 7 - Statistics	Lesson 1 – Pictograms (1)	Statistics	• Interpret and present data using bar charts, pictograms and tables.
6		Lesson 2 – Pictograms (2)	Statistics	• 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
		Lesson 3 – Bar charts (1)	Statistics	• Interpret and present data using bar charts, pictograms and tables.
		Lesson 4 – Bar charts (2)	Statistics	• 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
		Lesson 5 - Tables	Statistics	• 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
7	*Unit 8 - Length*	Lesson 1 – Measuring length (1)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 2 – Measuring length (2)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 3 – Equivalent lengths – metres and centimetres	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 4 – Equivalent lengths – centimetres and millimetres	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

8		Lesson 5 – Comparing lengths	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 6 – Adding lengths	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 7 – Subtracting lengths	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
		Lesson 8 – Measuring the perimeter (1)	Measurement	• Measure the perimeter of simple 2D shapes.
9		Lesson 9 – Measuring the perimeter (2)	Measurement	• Measure the perimeter of simple 2D shapes.
		Lesson 10 – Problem solving – length (1)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). • Measure the perimeter of simple 2D shapes.
		Lesson 11 – Problem solving – length (2)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). • Measure the perimeter of simple 2D shapes.
	Unit 9 – Fractions (1)	Lesson 1 – Unit and non-unit fractions	Number - Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.
10		Lesson 2 – Making the whole	Number – Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.
		Lesson 3 – Tenths (1)	Number – Fractions	• 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.
		Lesson 4 – Tenths (2)	Number – Fractions	• 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.
		NTS ASSESSMENTS		
11		**NTS ASSESSMENTS**		
	Unit 9 – Fractions (1)	Lesson 5 – Fractions as number (1)	Number - Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. • Compare and order unit fractions, and fractions with the same denominators.
		Lesson 6 – Fractions as number (2)	Number - Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. • Compare and order unit fractions, and fractions with the same denominators.

		Lesson 7 – Fractions as number (3)	Number - Fractions	• Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. • Compare and order unit fractions, and fractions with the same denominators.
12		Lesson 8 – Fractions of a set of objects (1)	Number - Fractions	• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
		Lesson 9 – Fractions of a set of objects (2)	Number - Fractions	• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
		Lesson 10 – Fractions of a set of objects (3)	Number - Fractions	• Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
		Lesson 11 – Problem solving - fractions	Number - Fractions	• Solve problems that involve all of the above.
1	*Unit 10 – Fractions (2)*	Lesson 1 – Equivalent fractions (1)	Number - Fractions	• Recognise and show, using diagrams, equivalent fractions with small denominators.
		Lesson 2 – Equivalent fractions (2)	Number - Fractions	• Recognise and show, using diagrams, equivalent fractions with small denominators. • Compare and order unit fractions, and fractions with the same denominators.
		Lesson 3 – Equivalent fractions (3)	Number - Fractions	• Recognise and show, using diagrams, equivalent fractions with small denominators. • Solve problems that involve all of the above.
		Lesson 4 – Comparing fractions	Number - Fractions	• Recognise and show, using diagrams, equivalent fractions with small denominators. • Compare and order unit fractions, and fractions with the same denominators.
2		Lesson 5 – Comparing and ordering fractions	Number - Fractions	• Compare and order unit fractions, and fractions with the same denominators.
		Lesson 6 – Adding fractions	Number - Fractions	• Add and subtract fractions with the same denominator within one whole.
		Lesson 7 – Subtracting fractions	Number - Fractions	• Add and subtract fractions with the same denominator within one whole.
		Lesson 8 – Problem solving – adding and subtracting fractions	Number - Fractions	• Add and subtract fractions with the same denominator within one whole • Solve problems that involve all of the above.
3		Lesson 9 – Problem solving – fractions of measures	Number - Fractions	• 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.

				• Solve problems that involve all of the above
			Consolidation session to embed skills	
	Unit 11 - Time	Lesson 1 – Months and years	Measurement	• Know the number of seconds in a minute and the number of days in each month, year and leap year.
		Lesson 2 – Hours in a day	Measurement	• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. • 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.
4		Lesson 3 – Estimating time	Measurement	• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
		Lesson 4 – Telling time to 5 minutes	Measurement	• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
		Lesson 5 – Telling time to the minute (1)	Measurement	• 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.
		Lesson 6 – Telling time to the minute (2)	Measurement	• 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.
5		Lesson 7 – Telling time to the minute (3)	Measurement	• Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. • 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.
		Lesson 8 – Finding the duration	Measurement	• 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.
		Lesson 9 – Comparing duration	Measurement	• Compare durations of events (for example to calculate the time taken by particular events or tasks).

				• 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.
		Lesson 10 – Finding start and end times	Measurement	• Compare durations of events (for example to calculate the time taken by particular events or tasks). • 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.
6		Lesson 11 – Measuring time in seconds	Measurement	• Compare durations of events (for example to calculate the time taken by particular events or tasks). • 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.
		Consolidation session to embed skills		
	Unit 12 – Angles and properties of shapes	Lesson 1 – Turns and angles	Geometry – Properties of shapes	• 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
		Lesson 2 – Right angles in shapes	Geometry – Properties of shapes	• 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
7		Lesson 3 – Comparing angles	Geometry – Properties of shapes	• 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
		NTS ASSESSMENTS		
		NTS ASSESSMENTS		
	Unit 12 – Angles	Lesson 4 – Drawing accurately	Geometry – Properties of shapes	• Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.

	and properties of shapes			• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
8		Lesson 5 – Types of line(1)	Geometry – Properties of shapes	• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
		Lesson 6 – Types of line (2)	Geometry – Properties of shapes	• Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
		Lesson 7 – Recognising and describing 2D shapes	Geometry – Properties of shapes	• Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.
		Lesson 8 – Recognising and describing 3D shapes	Geometry – Properties of shapes	• Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.
9		Lesson 9 – Constructing 3D shapes	Geometry – Properties of shapes	• Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them.
	Consolidation session to embed skills			
	Unit 13 - Mass	Lesson 1 – Measuring mass (1)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 2 – Measuring mass (2)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
10		Lesson 3 – Measuring mass (3)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 4 – Comparing masses	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 5 – Adding and subtracting masses	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 6 – Problem solving - mass	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
11	*Consolidation session to embed skills*			
	Unit 14 - Capacity	Lesson 1 – Measuring capacity (1)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 2 – Measuring capacity (2)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 3 – Measuring capacity (3)	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

KEY: NUMBER, GEOMETRY, STATISTICS and MEASUREMENT

AUTUMN TERM, SPRING TERM and SUMMER TERM

12		Lesson 4 – Comparing capacities	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 5 – Adding and subtracting capacities	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Lesson 6 – Problem solving - capacity	Measurement	• Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
		Consolidation session to embed skills		