	Year 3	**Year 4**
Maths LKS 2		

	Year 3	**Year 4**
Autumn	**Block 1 - Place Value** • Hundreds • Numbers to 1,000 • 100s, 10s and 1s (1) • 100s, 10s and 1s (2) • Number line to 1,000 • Find 1, 10, 100 more or less • Compare objects • Compare numbers • Ordering numbers • Counting in 50s	**Block 1 - Place Value** • Roman numerals • Round to the nearest 10 • Round to the nearest 100 • Count in 1,000s • Count in 1,000s, 100s, 10s and 1s • Partitioning • The number line to 10,000 • 1,000 more or less • Compare 4-digit numbers • Order numbers • Round to the nearest 1,000 • Counting in 25s • Negative numbers
	Block 2 – Addition and Subtraction • Add and subtract multiples of 100 • Add and subtract 3-digit and 1-digit numbers – not crossing 10 • Add 3-digit and 1-digit numbers- crossing 10 • Subtract a 1-digit number from a 3-digit number – crossing 10 • Add and subtract 3-digit and 2-digit numbers not crossing 100 • Add 3-digit and 2-digit numbers – crossing 100 • Subtract a 2-digit number from a 3-digit number- crossing 100 • Add and subtract 100s • Spot the pattern – making it explicit • Add and subtract 2-digit and 3-digit numbers – not crossing 10 or 100	**Block 2 – Addition & Subtraction** • Add and subtract 1s, 10s, 100s, and 1,000s • Add two 4-digit numbers – no exchange • Add two 4-digit numbers – one exchange • Add two 4-digit numbers – more than one exchange • Subtract two 4-digit numbers – no exchange • Subtract two 4-digit numbers – one exchange • Subtract two 4-digit numbers – more than one exchange • Efficient subtraction • Estimate answers • Checking strategies

- Add 2-digit and 3-digit numbers – crossing 10 or 100
- Subtract a 2-digit number from a 3-digit number – crossing 10 or 100
- Add two 3-digit numbers – not crossing 10 or 100
- Add two 3-digit numbers – crossing 10 or 100
- Subtract a 3-digit number from a 3-digit number – no exchange
- Subtract a 3-digit number from a 3-digit number – exchange
- Estimate answers to calculations
- Check answers

Block 3 – Multiplication and Division
- Multiplication – equal groups
- Multiply by 3
- Divide by 3
- The 3 times-table
- Multiply by 4
- Divide by 4
- The 4 times-table
- Multiply by 8
- Divide by 8
- The 8 times-table

Block 3 – Length & Perimeter
- Kilometres
- Perimeter on a grid
- Perimeter of a rectangle
- Perimeter of rectilinear shapes

Block 4 – Multiplication & Division
- Multiply by 10
- Multiply by 100
- Divide by 10
- Divide by 100
- Multiply by 1 and 0
- Divide by 1 and itself
- Multiply and divide by 6
- 6 times-table and division facts
- Multiply and divide by 9
- 9 times-table and division facts
- Multiply and divide by 7
- 7 times-table and division facts

Spring	**Block 1 – Multiplication and Division**	**Block 1 – Multiplication & Division**
	• Comparing statements	• 11 and 12 times-table
	• Related calculations	• Multiply 3 numbers
	• Multiply 2 - digits by 1-digit (1)	• Factor pairs
	• Multiply 2 – digits by 1-digit (2)	• Efficient multiplication
	• Divide 2 - digits by 1-digit (1)	• Written methods
	• Divide 2 – digits by 1-digit (2)	• Multiply 2-digits by 1-digit
	• Divide 2 – digits by 1-digit (3)	• Multiply 3-digits by 1-digit
	• Scaling	• Divide 2-digits by 1-digit (1)
	• How many ways?	• Divide 2-digits by 1-digit (2)
		• Divide 3-digits by 1-digit
		• Correspondence problems
	Block 2 – Money	**Block 2 – Area**
	• Pounds and pence	• What is area?
	• Convert pounds and pence	• Counting squares
	• Add money	• Making shapes
	• Subtract money	• Comparing area
	• Give change	
	Block 3 – Statistics	**Block 3 – Fractions**
	• Pictograms	• What is a fraction
	• Bar charts	• Equivalent fractions (1)
	• Tables	• Equivalent fractions (2)
		• Fractions greater than 1
		• Count in fractions
		• Add 2 or more fractions
		• Subtract 2 fractions
		• Subtract from whole amounts
		• Calculate fractions of a quantity
		• Problem solving – calculate quantities
	Block 4 – Length & Perimeter	**Block 4 – Decimals**
	• Measure length	• Recognise tenths and hundredths

	- Equivalent lengths – m & cm - Equivalent lengths – mm & cm - Compare lengths - Add lengths - Subtract lengths - Measure perimeter - Calculate perimeter **Block 5 - Fractions** - Unit and non-unit fractions - Making the whole - Tenths - Count in tenths - Tenths as decimals - Fractions on a number line - Fractions as a set of objects (1) - Fractions as a set of objects (2) - Fractions as a set of objects (3)	- Tenths as decimals - Tenths on a place value grid - Tenths on a number line - Divide 1-digit by 10 - Divide 2-digits by 10 - Hundredths - Hundredths as decimals - Hundredths on a place value grid - Divide 1 or 2-digits by 100	
Summer	**Block 1 – Fractions** - Equivalent fractions (1) - Equivalent fractions (2) - Equivalent fractions (3) - Compare fractions - Order fractions - Add fractions - Subtract fractions **Block 2 – Time** - Months and years - Hours in a day - Telling the time to 5 minutes - Telling the time to the minute	**Block 1 – Decimals** - Make a whole - Write decimals - Compare decimals - Order decimals - Round decimals - Halves and quarters **Block 2 – Money** - Pounds and pence - Ordering money - Estimating money - Four operations	

- Using a.m. and p.m.
- 24-hour clock
- Finding the duration
- Comparing durations
- Start and end times
- Measuring time in seconds

Block 3 – Properties of Shape
- Turns and angles
- Right angles in shapes
- Compare angles
- Draw accurately
- Horizontal and vertical
- Parallel and perpendicular
- Recognise and describe 2-D shapes
- Recognise and describe 3-D shapes
- Make 3-D shapes

Block 3 – Time
- Hours, minutes and seconds
- Years, months, weeks and days
- Analogue to digital – 12 hour
- Analogue to digital – 24 hour

Block 4 – Statistics
- Interpret charts
- Comparison, sum and difference
- Introducing line graphs
- Line graphs

Block 4 – Mass & Capacity
- Measure mass (1)
- Measure mass (2)
- Compare mass
- Add and subtract mass
- Measure capacity (1)
- Measure capacity (2)
- Compare capacity
- Add and subtract capacity

Block 5 – Properties of Shape
- Identify angles
- Compare and order angles
- Triangles
- Quadrilaterals

		• Lines of symmetry • Complete a symmetric figure **Block 6 – Position and Direction** • Describe position • Draw on a grid • Move on a grid • Describe movement on a grid