<u>AUTUMN TERM – YEAR 4</u>						
Place value – numbers to 10 000	Number – Addition & Subtraction	Number – Multiplication & Division				
To recognise the value of each digit in	To add with renaming (in the ones	To multiply by 6 using number lines arrays.				
a four-digit number using number	column)	To multiply by 7 using number lines and arrays.				
line, place value counters, base 10	To add with renaming (in tens and	To multiply by 9 by making links to the 3, 6 and 5 times-tables.				
equipment and place value cards.	ones).	To divide by 6 using number lines and arrays.				
To round any number to the nearest	To add with renaming (in hundreds,	To divide by 7 using number lines and arrays.				
10, using number line, place value	tens and ones)	To divide by 9 by making links to the 3, 6 and 5 times-tables.				
counters and base 10 equipment.	To calculate complements to 100.	To multiply and divide by 11 and 12 using number lines, arrays and				
To round to the nearest 100 using	To add using mental strategies	multiplication wheels.				
number lines.	(making tens, hundreds and					
To round to the nearest 1000.	thousands).	To multiply by 10 & 100 using a number line and base ten.				
To represent 4-digit numbers using	To add numbers with up to 4 digits	To learn how to divide multiples of 10 and 100 using known facts and place				
base 10 equipment and part-whole	using formal written method (no	value knowledge.				
models.	exchange).	To recognise and use factor pairs.				
To identify values and estimate	To estimate and use inverse	To use written strategies including partitioning into tens and ones.				
numbers on a number line up to 10,	calculation to check answers to a	To use an expanded method to multiply a 2-digit number by a 1-digit				
000.	calculation.	number, in preparation for using a formal written layout (column method).				
To find 1, 10, 100 and 1000 more/less	To subtract with renaming (in tens and	To multiply two number by a1-digit number using a formal written short				
than a given number using base 10	ones).	multiplication.				
equipment and place value counters.	To subtract with renaming (in	To multiply three digit number by a one digit number that require exchange				
To compare 4-digit numbers using	hundreds, tens and ones).	of 1, then of more than 1.				
concrete equipment and pictorial	To subtract using mental strategies.	To multiply more than two numbers using the commutative properties of				
representations.	To solve addition and subtraction	multiplication to calculate.				
To order 4-digit numbers, focusing on	word problems.	To solve a mixture of multiplication problems by using the formal written				
the value of the digits and using a	To solve multi-step word problems in	method.				
place value grid to support	context.	To solve multi-step multiplication and division problems using bar models to				
understanding.		expose the underlying structure.				
To use knowledge of place value and		To divide 2-digit numbers by 1-digit numbers using the part whole model.				
rounding to the nearest 10 and 100 to		To recognise remainders in division using the part whole model.				
develop an understanding of how to		To solve word problems involving division.				
round to the nearest 1,000.						
To learn about counting forwards and						
backwards in 25s.						
To count back through 0 on number						
lines using negative numbers.						

SPRING TERM – YEAR 4						
Measurement – length & Perimeter	Fractions & Decimals					
To find equivalence by converting m- cm & mm – cm using number	To find hundredths as fractions and recognise that 1 tenth is the same as 10					
lines and bar models.	hundredths using number lines.					
To be introduced to the concept of perimeter by counting square	To find equivalent fractions using fraction walls and fraction strips.					
lengths around rectangles and squares.	To simplify fractions using hundredths and tenths grids.					
To find the width of a rectangle given the perimeter and the length.	To understand improper fractions can be great than 1 using the part whole model.					
To extend understanding of perimeter to include rectilinear shapes that are not rectangles or squares.	To add fractions with the same denominator where their answer is greater than one using fraction strips and fractions walls.					
	To subtract proper fractions from mixed numbers with the same denominator using fractions trips and fraction walls.					
Area	To apply knowledge of understanding of adding and subtracting fractions to solve					
To be introduced to the concept of the area of a 2D shape.	problems.					
To measure area by counting squares.	To calculate the fraction of a quantity.					
To find areas of more complex rectilinear shapes by counting squares.	To use a decimal point to represent a tenth using ten frame, number line and place					
To make shapes with given areas.	value grids.					
To compare shapes according to their areas.	To divide a I digit number by 10 using a place value grid and a bar model.					
	To understand that a hundredth as a decimal is 0.01 and will use a hundredths grid to					
	make the connection between hundredths and tenths.					
	To compare decimals.					
	hundredths from a given number					
	To divide 1- and 2-digit numbers by 100 using hundredths and tenths grids.					
	To compare decimals.					
	To order numbers with up to two decimal places.					
	To round a decimal to the nearest whole number by looking at the tenths digit.					
	To represent fractions and decimals using a number line and a hundredths grid.					
	To convert between different units of measurement and solve simple problems.					

<u>SUMMER TERM – YEAR 4</u>						
Measurement – money	Measurement – Time	Geometry – Angles & 2D	Geometry – Position &	Statistics – charts and tables		
To record amounts of money	To understanding of the	<u>shape</u>	direction	To interpret data with larger		
in pounds and pence using	equivalences between	To compare angles and	To describe relative positions	numbers and a wider range		
part whole models.	different units of time.	identify acute, obtuse and	on a map, initially without a	of scales on charts, tables		
To recognise pounds, tenths	To revise understanding of	right angles.	grid and then with a grid.	and pictograms.		
and hundreds using a	the equivalences between	To identify acute and obtuse	To use coordinates in the first	To make statements and		
hundredths grids and a tens	days, weeks, months and	angles.	quadrant to describe	comparisons based on data		
strip.	years.	To recognise the similarities	positions on a grid, using the	presented in line graphs.		
To order amounts of money.	To convert between	and differences between	conventional order and	To apply data interpretation		
To round money using	analogue and digital times.	regular and irregular	notation.	and analysis skills to a range		
number lines.	To tell the time on a 24-hour	polygons.	To use coordinates to plot	of increasingly challenging		
To round amounts of money	clock.	To identify the three	points in the first quadrant	problems		
to the nearest 10p and £1	To convert between 12-hour	different types of triangles.	and to construct simple			
using number lines.	and 24-hour times expressed	To name, describe and	shapes by plotting their			
To solve problems involving	on analogue and digital	identify quadrilaterals,	vertices.			
pounds and pence using	clocks.	recognising their similarities	To use the properties of			
number lines and bar	To use knowledge of units of	and differences.	shapes and points to help			
models.	time to problem-solving in	To deduce fact about shapes	make constructions on the			
To solve money problems	context.	to help solve problems and	coordinate grid.			
with multiplication and		puzzles.	To carry out simple			
division using the part-whole		To identify lines of symmetry	translations on a coordinate			
model.		within regular and irregular	grid.			
To use different strategies to		polygons.	To work out the translations			
solve two-step word		To identify symmetry within	that are needed to move			
problems.		and outside shapes.	from one position on the			
		To complete symmetric	coordinate grid to another			
		patterns when the lines of				
		symmetry are given.				