

South Hetton Primary

Mathematics Long Term Planning

Term	Week	1	2	3	4	5	6	7	8	9	10	11	12	13	
Autumn	YN	- recognise numbers of significance - begins to say numbers in order - begin to understand cardinality (takes or gives one, two or three items from a group)			-recognise, name and compare colours -explore and match objects which are the same -learn that collections can be sorted into sets			Numeral 1 To recognise and represent the number one		Numeral 2 To recognise and represent the number two		Numeral 3 To recognise and represent the number three	Shape -circle	Shape - triangle	
	YR	Number and Place Value -Numbers to 5 -Comparing groups within 5					Addition and Subtraction -Change within 5 -Number bonds within 5			Number and Place Value -Numbers to 10 -Comparing numbers within 10					
	SSM	3D and 2D Shape						Positional Language							
	Y1	Number: Place Value (within 10) -Sorting, counting and representing objects (4 days) -Recognising numbers as words (4 days) -Counting forwards and backwards, including 1 more, 1 less (10 days) -Comparing and ordering: fewer, more, same; less than, greater than, equal to (4 days)					Number: Addition and Subtraction (within 10) -Parts and wholes (2 days) -Number sentences and fact families (2 days) -Bonds within and to 10 (4 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Addition and Subtraction (within 10) -Addition (4 days) -Subtraction (4 days)		Geometry: Shape -Recognise, name and sort 2D shapes (4 days) -Recognise, name and sort 3D shapes (4 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	
	Y2	Number: Place Value A (within 100) -Working with numbers to 1,00 (12 days) -Compare and order numbers and objects (3 days)			Number: Addition and Subtraction (within 100) -Bonds and related facts (5 days) -Adding 3 1-digit numbers (2 days) -Addition [up to pairs of 2-digit numbers] (5 days) -Subtraction [including pairs of 2-digit numbers (5 days) -Comparing number sentences and missing number problems (2 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Place Value B (within 100) -Count in 2s, 3s, 5s and 10s (8 days)		Geometry: Shape -2D shapes and properties; sorting 2D shapes (3 days) -[Lines of] symmetry (2 days) -3D shapes and properties; sorting 3D shapes (3 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	
	Y3	Number: Place Value -Working with numbers to 1,00 (3 days) -Working with numbers to 1,000 (4 days) -Compare and order numbers (2 days) -Find 1, 10 and 100 more or less (2 days) -Count in 50s (2 days)			Number: Addition and Subtraction -Add and subtract 1s, 10s and 100s (3 days) -Bonds and complements [to 100] (3 days) -Addition (5 days) -Subtraction (5 days) -Estimates, inverse and decisions (2 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Multiplication and division -Multiplication and arrays (2 days) -Sharing and grouping (2 days) -Multiplication and division facts: 2, 5, 10 (6 days) -Multiplication and division facts: 3, 4, 8 (6 days) -Multiplication facts: 2, 4, 8 (2 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	
	Y4	Number: Place Value -Working with numbers to 1,000 (3 days) -Working with numbers to 10,000 (3 days) -Find 1, 10 and 100 more or less -Compare and order numbers (2 days) -Rounding numbers (3 days) -Roman Numerals (2 days)			Number: Addition and Subtraction -Addition (4 days) -Subtraction (4 days)		Number: Multiplication and division -Multiplication and division facts: 3, 6, 9 (6 days) -Multiple three numbers (2 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Multiplication and division -Multiplication and division facts: 7, 11, 12 (6 days) -Multiple three numbers (2 days)		Measurement: Area -Area (8 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	
	Y5	Number: Place Value -Working with numbers to 1,000,00 (5 days) -Compare and order numbers (3 days) -Find 1, 10 and 100 more or less -Rounding numbers (3 days) -Roman Numerals (2 days)			Number: Addition and Subtraction -Addition (3 days) -Subtraction (3 days) -+ and - Problems, including missing numbers (2 days)		Number: Multiplication and division -Multiples and factors (3 days) -Prime, squares and cubes (2 days) - x and / by 10, 100 and 1000 (3 days) -Multiples of 10,100 and 1000 (2 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Fractions -Recognising and finding equivalent fractions (3 days) -Improper fractions (3 days) -Mixed numbers (3 days) -Converting fractions (3 days) -Comparing and ordering fractions (3 days) -Adding and subtracting fractions (3 days) -Adding and subtracting mixed numbers (3 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	
	Y6	Number: Place Value -Working with numbers 10,000,000 : reading, writing, number lines (x5 days) -Find 1, 10 and 100 more or less -Comparing and ordering numbers (x3 days) -Rounding (x2 days) -Negative numbers (x3 days)			Number: Addition, Subtraction, Multiplication and Division -Addition (3 days) -Subtraction (3 days) -Factors, multiples, rules of divisibility (2 days) -Primes, squares, cubes (3 days) -[Long] Multiplication (3 days) -Division (4 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	Number: Fractions -Equivalent fractions (2 days) -Compare and order fractions (2 days) -Add and subtract fractions (3 days) -Mixed numbers (3 days) -Multiplying fractions (3 days) -Dividing fractions (3 days) -Fractions of amounts (3 days)				<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>	

Term	Week	1	2	3	4	5	6	7	8	9	10	11	12
Spring	YN	Numerals 4 To recognise and represent the number four		Numerals 5 To recognise and represent the number five									
	YR	Addition and Subtraction -Addition to 10 -Number bonds to 10 -Subtraction -Counting on and counting back						Number and Place Value -Numbers to 20		Multiplication and Division -Numerical patterns: doubling, halving and sharing, odds and evens			
	SSM	Length, height and distance				Weight				Exploring Patterns			
	Y1	Number: Place Value (within 20) -Counting (2 days) -Tens and ones (2 days) -One more, one less (2 days) -Ordering and comparing (2 days)		Number: Addition and Subtraction (within 20) -Adding by counting on, making number bonds and making 10 (5 days) -Subtraction, including crossing 10 (5 days) -Using related facts (2 days) -Number sentences (1 day)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>		Number: Place Value (within 50) -Working with numbers to 50 (4 days) -Find 1 more, one less (2 days) -Compare and order numbers (2 days)		Measurement: Length and Height -Comparing lengths and heights (2 days) -Measuring lengths (3 days) -Problems involving lengths (3 days)		Measurement: Mass and Volume -Weight and mass (4 days) -Capacity and Volume (4 days)	
	Y2	Measurement: Money -Recognising and counting money (4 days) -Using money: comparing, finding total/difference, solving problems (4 days)		Number: Multiplication and division -Recognise, make and use equal groups (3 days) -Use arrays and multiplication sentences (4 days) -2, 5 and 10 times-table (6 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>		Number: Multiplication and division -Make equal groups: Grouping and sharing (4 days) -Divide by 2, 5 and 10 (4 days) -Odd and even numbers (2 days)		Measurement: Length and Height Measuring -Measuring lengths (3 days) -Comparing and ordering lengths (3 days) -Problem solving with lengths (2 days)		Measurement: Mass, Capacity and temperature -Comparing and measuring mass (3 days) -Comparing and measuring volume (3 days) -Temperature (2 days)	
	Y3	Number: Multiplication and division -Times-tables (1 day) -Multiplying 2 digit numbers (6 days) -Dividing 2 digit numbers (6 days)			Measurement: Length and Perimeter -Equivalent lengths (4 days) -Comparing lengths (2 days) -Adding and subtracting lengths (2 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>		Measurement: Length and Perimeter -Measuring and Calculating perimeter (4 d)	Number: Fractions -Working with wholes and parts (2 days) -Recognising and finding fractions (6 days) -Unit and non-unit fractions (2 days) -Counting in fractions (2 days) -Equivalence (1 day)		Measurement: Mass and Capacity -Measuring and comparing mass (3 days) -Adding and subtracting mass (1 day) -Measure and compare capacity (3 days) -Adding and subtracting capacity (1 day)-Temperature (2days)	
	Y4	Number: Multiplication and division -Factors pairs (2 days) -Multiplying 3 digit numbers, including problems (6 days) -Dividing 3 digit numbers, including problems (6 days)			Measurement: Length and Perimeter -Equivalent lengths (2 days) -Adding and subtracting lengths (2 days) -Perimeter (4 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>		Number: Fractions -Tenths (2 days) -Equivalent fractions (3 days) -Count in fractions (2 days) -Adding fractions (3 days) -Subtracting fractions (4 days) -Fractions of objects and quantities (4 days)			Number: Decimals -Tenths (2 days) -Dividing by 10 (2 days) -Hundredths (2 days) -Dividing by 100 (2 days)	
	Y5	Number: Multiplication and division -Multiplying by a single digit (4 days) -Multiplying by 2 digits (5 days) -Divide by a single digit (4 days)			Number: Fractions -Multiplying fractions (3 days) - Finding the fraction of a quantity and finding the whole (3 days)		<i>Respond to assessment</i> <i>Apply skills in problems and reasons</i> <i>Consolidate knowledge & procedures</i>		Number: Decimals and Percentages -Decimals as fractions (2 days) -Hundredths and thousandths (2d) -Ordering, comparing and rounding decimals (2 days) -Fraction, Decimal, Percentage equivalents (2 days)		Measurement: Perimeter and Area -Perimeter (4 days) -Area (4 days)		Statistics -Line Graphs (4 days) -Reading and interpreting tables (4 days)
Y6	Number: Ratio -Ratio and fractions (2 days) -Calculating ratio (3 days) -Using and calculating scale factors (3 days) -Ratio and proportion (2 days)		Number: Algebra -Finding rules (2 days) -Forming and solving equations (3 days) -Finding pairs of values (3 days)		Number: Decimals -Multiplying and dividing by 10, 100 and 1000 (4 days) -Multiplying and dividing decimals by integers (4 days)		Number: Fractions, Decimals and % -Decimals to fractions and fractions as decimals; fractions to % (3 days) -FDP equivalence and ordering (3 d) -Percentages of amounts (3 days)		Measurement: Area, perimeter and volume -Area and perimeter (2 cays) -Area of a triangle (3 days) -Area of a parallelogram (2 days) -Volume (3 days)		Statistics -Line graphs (3 days) -Pie charts (3 days) -Mean (2 days)		

Term	Week	1	2	3	4	5	6	7	8	9	10	11	12	
Summer	YN													
	YR	Number and Place Value -Review and consolidation of numbers to 10 -Review and consolidation of counting to and from 20 -Counting beyond 20				Numerical Patterns -Review and consolidation of odds and evens -Using odds and evens knowledge to investigate sharing		Review of concepts needing consolidation						
	SSM	<i>Measure – Volume and Capacity</i>						<i>Shape – Composing and decomposing shapes</i>						
	Y1	Number: Multiplication and division -Counting in 2s, 5s and 10s (6 days) -Making equal groups and arrays (4 days) -Making equal groups – grouping and sharing (4 days)			Number: Fractions -Making and finding a half (4 days) -Making and finding a quarter (4 days)		Number: Place Value (within 100) -Counting (3 days) -Comparing and ordering numbers (3 days) -One more, one less (2 days)		<i>Respond to assessment Apply skills in problems and reasons Consolidate knowledge & procedures</i>	Geometry: Position/ Direction -Describing turns and positions (4 days)		Measurement: Money -Recognising and counting coins (4 days)	Measurement: Time -Language of time and dates (2 days) -Time to the hour (2 days) -Time to the half hour (2 days) -Writing and comparing time (2 days)	
	Y2	Number: Fractions -Making equal parts (2 days) -Recognising and finding a half (2 days) -Recognising and finding a quarter (2 days) -Recognising and finding a third (2 days) -Unit and non-unit fractions (2 days) -Finding three quarters (2 days) -Count in fractions (2 days)			Measurement: Time -O'clock and half past (2 days) -Quarter past; quarter to (2 days) -Telling the time to 5 minutes (2 days) -Hours and days; durations of time (2 days)		<i>Respond to assessment Apply skills in problems and reasons Consolidate knowledge & procedures</i>			Statistics -Tally charts (2 days) -Draw and interpret Pictograms (4 days) -Block diagrams (2 days)		Geometry: Position/Direction -Describing movement (3 days) -Describing turns (3 days) -Describing movement and turns (3 days) - Making patterns (1 day)		
	Y3	Number: Fractions -Tenths, including as decimals (3 days) -Fractions of a set of objects (3 days) -Equivalent fractions (3 days) -Comparing and ordering fractions (3 days) -Adding and subtracting fractions (3 days)		Measurement: Money -Pounds and pence, including converting (3 days) -Adding and subtracting money (3 days) -Giving change (2 days)		Measurement: Time -Months and years; hours in the day (2 days) -Telling the time (3 days)			Measurement: Time -24 hour clock, including am and pm (3 days) -Finding and comparing durations of time (3 days) -Time in seconds (2 days)		Geometry: Shape -Turns and angles: right angles, drawing and comparing angles (4 days) -Lines: horizontal, vertical, parallel and perpendicular (4 days) -Recognising and describing 2-D shape, including making shapes (4 days)		Statistics -Bar charts (3 days) -Tables (2 days)	
	Y4	Number: Decimals -Making a whole (2 days) -Comparing and ordering decimals (3 days) -Rounding decimals (3 days) -Halves and quarters (2 days)		Measurement: Money -Pounds and pence and ordering and estimating money (3 days) -Adding and subtracting money (3 days) -Working with money; Giving change (2 days)		Statistics -Using and interpreting charts (3 days) -Line graphs (2 days)			Measurement: Time -Telling the time (3 days) -Durations of time (2 days) -Analogue to digital (3 days)		Geometry: Shape -Identifying, comparing and ordering angles (3 days) -Triangles (3 days) -Quadrilaterals (3 days) -Symmetry, including lines of symmetry (3 days)		Geometry: Position/Direction -Position and movement on a grid (4 days)	
	Y5	Number: Decimals -Adding and subtracting decimals to 1, including complements (3 days) -Adding and subtracting decimals, including with different decimal places and crossing the whole (5 days) -Decimals sequences (2 days) -Multiplying and dividing decimals by 10, 100, 1000 (3d)			Geometry: Position/Direction -Position in first quadrant (2 days) -Translation (3 days) -Reflection (3 days)			Geometry: Shape -Measuring angles (3 days) -Drawing lines and angles (3 days) -Calculating angles [and lengths] (3 days) -Regular and irregular polygons (2 days) -Reasoning about shape (1 day)		Number: Negative Numbers	Measurements: Converting units -kg and km (2 days) -mm and ml (2 days) -Metric units (2 days) -Imperial units (2 days) -Converting units of time (2days)			
Y6	Geometry: Shape -Measuring and calculating angles (3 days) -Angles in a triangle (4 days) -Angles in quadrilaterals (3 days) -Drawing shapes accurately, including nets (3 days)			Geometry: Position/ Direction -Coordinates (4 days) -Translations (2 days) -Reflections (2 days)		Measurement: Converting units -Metric measures (3 days) -Imperial measures (2days)		Problem solving and reasoning in context	Problem solving and reasoning in context	Problem solving and reasoning in context	Problem solving and reasoning in context	Problem solving and reasoning in context		