Throughout all units pupils should be taught to develop fluency, to reason mathematically and solve problems						
	Autumn A	**Autumn B**	**Spring A**	**Spring B**	**Summer A**	**Summer B**
Year 7	Unit: Number (number/counting/place value/ratio) Vocab: Count, numbers, numerals, number line, more, fewer, before, after, compare, sequence, order, split, tens, ones Skills: Students will develop their ability to read, write, order and compare numbers. Students will develop and consolidate their counting skills- counting forwards/backwards in single steps,	Unit: Number (addition/subtraction, multiplication/division, fractions, simple probability/algebra) Vocab: Number line, count, add, subtract, more than, less than, fewer, equals, multiplication, times, divide share, the same as, fraction, whole, half, quarter Skills: Students will develop their ability to work with all number operations (+ -,x and ÷). Students will develop their ability to recall number facts.	Unit: Geometry (properties of shapes and position and direction) Statistics Vocab: 2D shapes, circle, triangle, square, rectangle,3D shapes, cube, sphere, cuboid, pyramid, patterns, models, sides, corners, faces, position, direction, forwards, backwards, sorting, tally chart, survey Skills: Students will explore, identify and name 2-dimensional and 3-dimensional shapes. Students will develop their ability to look at images, construct patterns and models and find shapes in their environment.	Unit: Measures – Money Vocab: Money, coins, notes, shop, add, the same as, pay, value. Skills: Students will develop their ability to understand why we need money in everyday life and the different ways to pay for items. Students will develop and consolidate their ability to recognise	Unit: Measures – Time Vocab: Time, days, day, night, morning, afternoon, evening, week, months, seasons, year, clocks, o'clock, half past, quarter past, quarter to, digital, analogue, hand, hours, minutes, order Skills: Students will become familiar with the language associated with time. Students will experience putting events into chronological order.	Unit: Measurement – length, weight/mass and capacity Statistics Vocab: Big, small, tall, short, heavy, light, empty, full, weight, measure, capacity, centimetre, metre, gram, kilogram, millilitre, litre, compare, standard, non-standard, estimate Skills: Students will explore objects of different lengths, weights and capacities and make simple comparisons between them. Students will become familiar with the language of measure

	counting in steps of different numerical values. Students will develop their understanding of place value. Students will solve simple problems using numerals and words.	Students will use symbols, pictures or numbers to read and write mathematical statements involving all four operations. Students will solve simple fraction problems.	Students will explore/ identify a range of properties including; sides, angles, corners, lines of symmetry and faces. Students will explore positional and directional language and experiences in a range of everyday contexts as well as specific mathematical activities. Students will use simple statistical methods such as sorting, lists and tally charts.	and name different coins and notes. Students will combine different coins and notes to make different values and match combinations of coins to equal the same amounts. Students will solve simple money problems using numerals and words. Students will develop a basic understanding of the value of money.	Students will develop their understanding of the passing of time in terms of days, months and years. Students will develop their time telling skills using both analogue and digital clocks. Students will begin to recognise the time taken by different events. Students will solve simple time problems. Students will develop a simple understanding of different units of time.	by exploring length, mass and capacity. Students will use practical activities to solve problems and compare different measurements. Students will measure length, mass and capacity using non-standard and standard units. Students will develop a simple understanding of different units of measurement. Students will learn basic estimation skills.
Year 8	Unit: Number	Unit: Number	Unit: Measures- Money	Unit	Unit: Geometry	Unit: Measures – Time

	(number/counting/place value/ratio) Vocab: Count, numbers, numerals, number line, more, fewer, before, after, compare, sequence, order, split, tens, ones, hundreds, place value, odd, even, digit Skills: Students will develop their ability to read, write, order and compare numbers. Students will develop and consolidate their counting skills- counting forwards/backwards in single steps, counting in steps of	(addition/subtraction, multiplication/division, fractions, simple probability/algebra) Vocab: Number line, count, add, subtract, more than, less than, fewer, equals, multiplication, times, divide share, the same as, fraction, whole, half, quarter, thirds Skills: Students will develop their ability to work with all number operations (+ -,x and ÷). Students will develop their ability to recall number facts. Students will use symbols, pictures or	Vocab: Money, coins, notes, shop, add, the same as, pay, value Skills: Students will develop their ability to understand why we need money in everyday life and the different ways to pay for items. Students will develop and consolidate their ability to recognise and name different coins and notes.	Measurement – length, weight/mass and capacity Vocab: Big, small, tall, short, heavy, light, empty, full, weight, measure, capacity, centimetre, metre, millimetres, gram, kilogram, millilitre, litre, compare, standard, non-standard, estimate Skills: Students will explore objects of different lengths, weights and capacities and make simple comparisons between them. Students will become familiar with the language of measure by exploring length, mass and capacity.	(properties of shapes and position and direction) Statistics Vocab: 2D shapes, circle, triangle, square, rectangle, pentagon, hexagon, octagon, 3D shapes, cube, sphere, cuboid, pyramid, triangular prism, patterns, models, sides, corners, faces, position, direction, forwards, backwards, sorting, tally chart, survey, pictogram Skills: Students will explore, identify and name 2-dimensional and 3-dimensional shapes. Students will develop their ability to look at images, construct patterns and models and find shapes in their environment.	Vocab: Time, days, day, night, morning, afternoon, evening, week, months, seasons, year, clocks, o'clock, half past, quarter past, quarter to, digital, analogue, hand, hours, minutes, order Skills: Students will become familiar with the language associated with time. Students will experience putting events into chronological order. Students will develop their understanding

	different numerical values. Students will develop their understanding of place value. Students will solve simple problems using numerals and words.	numbers to read and write mathematical statements involving all four operations. Students will solve simple fraction problems.	Students will combine different coins and notes to make different values and match combinations of coins to equal the same amounts. Students will solve simple money problems using numerals and words. Students will develop a basic understanding of the value of money.	Students will use practical activities to solve problems and compare different measurements. Students will measure length, mass and capacity using non-standard and standard units. Students will develop a simple understanding of different units of measurement. Students will learn basic estimation skills.	Students will explore/ identify a range of properties including; sides, angles, corners, lines of symmetry and faces. Students will explore positional and directional language and experiences in a range of everyday contexts as well as specific mathematical activities. Students will use simple statistical methods such as sorting, lists and tally charts.	of the passing of time in terms of days, months and years. Students will develop their time telling skills using both analogue and digital clocks. Students will begin to recognise the time taken by different events. Students will solve simple time problems. Students will develop a simple understanding of different units of time.
Year 9	Unit: Number (number/counting/place value/ratio)	Unit: Number (addition/subtraction, multiplication/division	Unit: Measurement – length, weight/mass and capacity	Unit: Measures- time	Unit: Measures – Money	Unit: Geometry (properties of shapes and

		, fractions, simple probability/algebra)				position and direction) Statistics
	Vocab: Count, numbers, numerals, number line, more, fewer, before, after, compare, sequence, order, split, tens, ones, hundreds, thousands, place value, odd, even, digit, ratio	Vocab: Number line, count, add, subtract, more than, less than, fewer, equals, multiplication, times, divide share, the same as, fraction, whole, half, quarter, thirds, probability, algebra	Vocab: Big, small, tall, short, heavy, light, empty, full, weight, measure, capacity, centimetre, metre, millimetres, gram, kilogram, millilitre, litre, compare, standard, non-standard, estimate	Vocab: Time, days, week, day, night, morning, afternoon, evening, months, year, seasons, clocks, o'clock, half past, quarter past, quarter to, hands, digital, analogue, hours, minutes, seconds, order, clockwise, anti-clockwise	Vocab: Money, coins, notes, shop, add, the same as, pay, value	Vocab: 2D shapes, circle, triangle, square, rectangle, pentagon, hexagon, heptagon, octagon, nonagon, decagon 3D shapes, cube, sphere, cuboid, pyramid, triangular prism, patterns, models, sides, corners, faces, position, direction, forwards, backwards, sorting, tally chart, survey, pictogram, bar chart
	Skills: Students will develop their ability to read, write, order and compare numbers. Students will develop and consolidate their counting skills- counting forwards/backwards in single steps, counting in steps of	Skills: Students will develop their ability to work with all number operations (+ -,x and ÷). Students will develop their ability to recall number facts. Students will use symbols, pictures or	Skills: Students will explore objects of different lengths, weights and capacities and make simple comparisons between them. Students will become familiar with the language of measure by exploring length, mass and capacity.	Skills: Students will become familiar with the language associated with time. Students will experience putting events into chronological order.	Skills: Students will develop their ability to understand why we need money in everyday life and the different ways to pay for items. Students will develop and consolidate their ability to recognise	Skills: Students will explore, identify and name 2-dimensional and 3-dimensional shapes. Students will develop their ability to look at images, construct patterns and models and find shapes in their environment.

	different numerical values. Students will develop their understanding of place value. Students will solve simple problems using numerals and words. Students will develop a simple understanding of ratio	numbers to read and write mathematical statements involving all four operations. Students will solve simple fraction problems. Students will develop a simple understanding of probability/algebra.	Students will use practical activities to solve problems and compare different measurements. Students will measure length, mass and capacity using non-standard and standard units. Students will develop a simple understanding of different units of measurement. Students will learn basic estimation skills.	Students will develop their understanding of the passing of time in terms of days, months and years. Students will develop their time telling skills using both analogue and digital clocks. Students will begin to recognise the time taken by different events. Students will solve simple time problems. Students will develop a simple understanding of different units of time.	and name different coins and notes. Students will combine different coins and notes to make different values and match combinations of coins to equal the same amounts. Students will solve simple money problems using numerals and words. Students will develop a basic understanding of the value of money.	Students will explore/ identify a range of properties including; sides, angles, corners, lines of symmetry and faces. Students will explore positional and directional language and experiences in a range of everyday contexts as well as specific mathematical activities. Students will use simple statistical methods such as sorting, lists and tally charts.
Year 10	Unit:	Unit:	Unit:	Unit:	Unit:	Unit:

	Number Properties of number Vocab: Count, numbers, numerals, number line, more, fewer, before, after, compare, sequence, order, split, tens, ones, hundreds, thousands, place value, odd, even, digit, ratio, round, multiples Skills: They will consolidate and build upon their prior knowledge and understanding of number.	The four operations/calculation Vocab: Number line, count, add, subtract, more than, less than, fewer, equals, total, multiplication, times, divide share, the same as, fraction, whole, half, quarter, thirds, probability, algebra, inverse, estimate Skills: They will consolidate and build upon their prior knowledge and understanding of number and calculation.	Measures - length, weight/mass and capacity Vocab: Big, small, tall, short, heavy, light, empty, full, weight, measure, capacity, centimetre, metre, millimetres, gram, kilogram, millilitre, litre, compare, standard, non-standard, estimate, convert, perimeter, measuring instruments, values, scale Skills: They will consolidate and build upon their prior knowledge and understanding of measures.	Geometry - (properties of shapes and position and direction) Vocab: 2D shapes, circle, triangle, square, rectangle, pentagon, hexagon, heptagon, octagon, nonagon, decagon, 3D shapes, cube, sphere, cuboid, pyramid, triangular prism, properties, patterns, models, sides, corners, faces, edges, vertices, nets, horizontal, vertical, parallel, position, direction, forwards, backwards, clockwise, anti-clockwise, right angle, coordinates, north, south, east and west. Skills: They will consolidate and build upon their prior knowledge and understanding of shape and direction concepts.	Ratio/ fractions/ problem solving Vocab: Count, numbers, numerals, number line, more, fewer, before, after, compare, sequence, order, fraction, equal, the same, equivalent, even, half, thirds, quarters, fifths, tenths, amount Skills: They will consolidate and build upon their prior knowledge of equality and fractions.	Measures – Money Vocab: Money, coins, notes, shop, add, the same as, pay, value, exchange, buy, purchase, convert, calculate, total, decimal, investigation, calculator Skills: They will consolidate and build upon their prior understanding and use of money.

	Students will develop their ability to count, read, write, order and compare numbers. Students will develop and consolidate their counting skills- counting forwards/backwards in single steps, counting in steps of different numerical values. Students will develop their understanding of place value.	Students will develop their understanding and use of the four operations (+,-,x and ÷) Students will develop their ability to recall number facts/ bonds. Students will use symbols, pictures or numbers to read and write mathematical statements involving all four operations. Students will develop their mental arithmetic skills. Students will experience using a calculator.	Students will develop their ability to experience and compare lengths, heights, weights and capacities. Students will develop and consolidate their measuring skills using standard and non-standard measures. Students will develop their understanding of estimation. Students will develop their skills to solve problems involving measures.	Students will learn about 2D and 3D shapes and their properties. Students will develop an understanding of the sizes of angles/turns and will investigate reflective symmetry. Students will develop their ability to look at images, construct patterns and models and find shapes in their environment. Students will investigate/ explore nets of solids. Students will continue to develop positional and directional language and experiences in a range of everyday	Students will identify and show simple fractions of shapes. Students will work out simple fractions of even number quantities. Students will recognise basic fraction equivalences. Students will solve simple practical ratio problems.	Students will develop their ability to understand why we need money in everyday life and the different ways to pay for items. Students will develop and consolidate their ability to recognise and name different coins and notes. Students will combine different coins and notes to make different values and match combinations of coins to equal the same amounts. Students will solve simple real life money problems such as what to buy and how to pay.

				contexts as well as specific mathematical activities. Students will investigate the use of co –ordinates.		Students will develop an appreciation of the purchasing power of amounts of money. Students will convert pounds to pence and vice versa. Students will further develop their understanding of decimal notation when using money. Students will carry out investigations involving money.
Year 11	Unit: Measures – calendars and time Vocab: Time, days, day, week, night, morning, afternoon, evening,	Unit: Statistics/problem solving Vocab: sorting, classify, tally chart, survey, tables, lists, diagrams,	Unit: Properties of number Vocab: Count, numbers, numerals, number line, more, fewer, before,	Unit: Measurement – length, weight/mass and capacity Vocab: Count, numbers, numerals, number line, more, fewer, before,	Unit: The four operations/calculation (addition/subtraction, multiplication/division, fractions) Investigation Vocab: Number line, count, add, subtract, more than, less than, fewer, equals, total,	Unit: Measures – Money Investigation Vocab: Money, coins, notes, shop, add, the same as, pay, value, exchange,

	months, seasons, year, calendar, date, clocks, hour, half hour, hand, o'clock, half past, quarter past, quarter to, digital, analogue, hours, minutes, seconds, order, clockwise, anti-clockwise, order, difference, roman numerals, 12 hour, 24 hour, convert, am, pm Skills: Students will become familiar with the language associated with time. Students will develop their ability to order events in chronological order. Students will develop and consolidate their knowledge of days, weeks and months of the year. Students will consolidate and build upon their prior	pictogram, bar chart, line/ block graphs, information, results, axis, frequency Skills: Students will experience making choices and learn to record preferences. Students will develop an understanding and interpretation of simple statistical diagrams. Students will learn how to conduct simple surveys and then analyse and communicate their results.	after, compare, sequence, order, split, tens, ones, hundreds, thousands, place value, odd, even, digit, ratio, round, multiples Skills: They will consolidate and build upon their prior knowledge and understanding of number. Students will develop their ability to count, read, write, order and compare numbers. Students will develop and consolidate their counting skills- counting forwards/backwards in single steps, counting in steps of	after, compare, sequence, order, split, tens, ones, hundreds, thousands, place value, odd, even, digit, ratio, round, multiples Skills: They will consolidate and build upon their prior knowledge and understanding of measures. Students will develop their ability to experience and compare lengths, heights, weights and capacities. Students will develop and consolidate their measuring skills using standard and non-standard measures.	multiplication, times, divide share, the same as, fraction, whole, half, quarter, thirds, probability, algebra, inverse, estimate, investigation, plan, decision making, choice Skills: They will consolidate and build upon their prior knowledge and understanding of number and calculation whilst planning a school event/ real life investigation. Students will develop their understanding and use of the four operations (+,-,x and ÷) Students will develop their ability to recall number facts/ bonds.	buy, purchase, convert, calculate, total, decimal, investigation, calculator, cost, profit, plan, decision making, choice Skills: They will consolidate and build upon their prior understanding and use of money whilst planning a school event/ real life investigation. Students will develop their ability to understand why we need money in everyday life and the different ways to pay for items. Students will develop and consolidate their ability to recognise

	knowledge and understanding of telling the time on analogue and digital clocks.	Students will develop their ability use information to construct a variety of graphs and charts. Students will learn to sort information according to set criteria	different numerical values. Students will develop their understanding of place value.	Students will develop their understanding of estimation. Students will develop their skills to solve problems involving measures.	Students will use symbols, pictures or numbers to read and write mathematical statements involving all four operations. Students will develop their mental arithmetic skills. Students will experience using a calculator.	and name different coins and notes. Students will combine different coins and notes to make different values and match combinations of coins to equal the same amounts. Students will solve simple real life money problems such as what to buy and how to pay. Students will develop an appreciation of the purchasing power of amounts of money. Students will convert pounds to pence and vice versa. Students will further develop their understanding of

						decimal notation when using money.