	Subject Overview: Numeracy					
Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**Place Value** 1-100 **Addition**- number bonds to 20, adding 1 digit to 2 digit numbers up to 100. **Subtraction** -number bonds to 20, subtracting 1 digit from 2 digit numbers up to 100. **Time**-sequencing events. **Length**- compare and measure lengths.	**Place Value** 1-100 **Addition**- number bonds to 20, adding 1 digit to 2 digit numbers up to 100. **Subtraction** -number bonds to 20, subtracting 1 digit from 2 digit numbers up to 100. **2D shapes**- recognise and name 2D shapes. **Position and movement**- describe positions and turns in whole or half turns.	**Place Value** 1-100 **Addition**- number bonds to 20, adding 1 digit to 2 digit numbers up to 100. **Subtraction** -number bonds to 20, subtracting 1 digit from 2 digit numbers up to 100. **Time**-sequencing events. **Fractions**- recognise and find halves and quarters of shapes or quantities.	**Place value**- 1-100 **Multiplication**- counting in groups of 2 to solve problems. **Division**- using sharing to solve problems. **Weight** compare and measure weights. **Capacity** compare and measure capacity.	**Place Value** 1-100 **Addition**- number bonds to 20, adding 1 digit to 2 digit numbers up to 100. **Subtraction** -number bonds to 20, subtracting 1 digit from 2 digit numbers up to 100. **3D shapes**- recognise and name 3D shapes. **Position and movement**- describe positions and turns in whole or half turns **Length** compare and measure lengths.	**Place value**- 1-100 **Multiplication**- counting in groups of 2 to solve problems. **Division**- using sharing to solve problems. **Money**- recognise the value of different notes and coins. **Fractions**- recognise and find halves and quarters of shapes or quantities.
Year 2	**Place Value**- 1-100, counting in steps of 2, 3 and 5. **Addition**- solving problems of TU+TU, TU+U and U+U+U. **Subtraction**- solving problems of TU-TU and TU-U. Stat**istics**-interpret block graphs and pictograms to ask and answer questions. **Fractions**- Recognise, find, name and write fractions 1/3, ¼, 2/4, ¾. Find equivalence.	**Place Value**- 1-100, counting in steps of 2, 3 and 5. **Addition**- solving problems of TU+TU, TU+U and U+U+U. **Subtraction**- solving problems of TU-TU and TU-U. **Length**- estimate and measure length in cm and m. **Time**- Tell and write the time to five minutes, including quarter past/to the hour. Compare intervals of time.	**Place Value**- 1-100, counting in steps of 2, 3 and 5. **Addition**- solving problems of TU+TU, TU+U and U+U+U. **Subtraction**- solving problems of TU-TU and TU-U. **Multiplication**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated addition. **Division**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated subtraction. **2D shapes**- describe the properties of 2D shapes including lines of symmetry.	**Place Value**- 1-100, counting in steps of 2, 3 and 5. **Multiplication**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated addition. **Division**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated subtraction. **Capacity** estimate and measure capacity in litres and ml. **Time**- Tell and write the time to five minutes, including quarter past/to the hour. Compare intervals of time. **Temperature**-measure temperature in °C and solve problems. **3D Shapes** describe the properties of 3D shapes including edges, vertices	**Addition**- solving problems of TU+TU, TU+U and U+U+U. **Subtraction**- solving problems of TU-TU and TU-U. **Multiplication**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated addition. **Division**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated subtraction. **Weight** estimate and measure weight in kg and g.	**Place Value**- 1-100, counting in steps of 2, 3 and 5. **Addition**- solving problems of TU+TU, TU+U and U+U+U. **Subtraction**- solving problems of TU-TU and TU-U. **Multiplication**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated addition. **Division**- know timetables for 2s, 5s and 10s. Solve multiplication problems using repeated subtraction. **Position and movement**- describe position, direction and movement including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns

						and faces.		Stat**istics**-interpret block graphs and pictograms to ask and answer questions
Year 3	**Place Value**- 1-1000, count in 4, 8, 50 and 100. **Addition-** Add HTU +HTU, HTU+TU, HTU+U mentally or with the column method. **Subtraction-** Subtract numbers including HTU-U, HTU-TU, HTU-HTU mentally and with column subtraction. **2D and 3D shapes-**Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. **Position and movement-** recognise angles as greater or less than a right angle**.**	**Place Value**- 1-1000, count in 4, 8, 50 and 100. **Multiplication-**know 3, 4 and8 timetables. Solve problems including TUxU. **Division-** know 3, 4 and8 timetables. Solve problems including TU÷U. **Fractions-** count in tenths, compare, order, add and subtract fractions. **Time-**read time on an analogue clock including Roman numerals, compare durations of events. **Statistics-** read and interpret bar charts, Venn and Carroll diagrams. Ask questions about the data**.**	**Place Value**- 1-1000, count in 4, 8, 50 and 100. **Addition-** Add HTU +HTU, HTU+TU, HTU+U mentally or with the column method. **Subtraction-** Subtract numbers including HTU-U, HTU-TU, HTU-HTU mentally and with column subtraction. **Length-** measure and compare lengths of mm, cm and m. Calculate perimeters. **Time-**read time on an analogue clock including Roman numerals, compare durations of events.	**Place Value**- 1-1000, count in 4, 8, 50 and 100. **Multiplication-**know 3, 4 and8 timetables. Solve problems including TUxU. **Division-** know 3, 4 and8 timetables. Solve problems including TU÷U. **Fractions-** count in tenths, compare, order, add and subtract fractions. **Position and movement-** recognise angles as greater or less than a right angle**. Statistics-** read and interpret bar charts, Venn and Carroll diagrams. Ask questions about the data**.**	**Place Value**- 1-1000, count in 4, 8, 50 and 100. **Addition-** Add HTU +HTU, HTU+TU, HTU+U mentally or with the column method. **Subtraction-** Subtract numbers including HTU-U, HTU-TU, HTU-HTU mentally and with column subtraction. **Weight-**measure and compare weights of g and kg. Add and subtract weights. **Capacity-** measure and compare weights of ml and l. Add and subtract capacity.	**Multiplication-**know 3, 4 and8 timetables. Solve problems including TUxU. **Division-** know 3, 4 and8 timetables. Solve problems including TU÷U. **Fractions-** count in tenths, compare, order, add and subtract fractions. **Time-**read time on an analogue clock including Roman numerals, compare durations of events.
Year 4	**Place Value1**-10000, round digits to nearest 10, 100 and 1000. Roman numerals to 100. **Addition-** using column method to solve problems up to 4 digit numbers. **Subtraction** using column method to solve problems up to 4 digit numbers. **Time-** read analogue and 24 hour clocks. Solve time problems. **Measurements- length** compare calculate and convert between units of measure mm, cm, m and km.	**Place Value1**-10000, round digits to nearest 10, 100 and 1000. Roman numerals to 100. **Multiplication-**know up to 12x 12. Using column method to multiply HTU and TU by U. **Division-** know up to 12x 12. Using column method to divide HTU and TU by U. **Fractions-** count in hundredths, add and subtract fractions, solve fraction problems. **Statistics-** read a range of tables and graphs, know discrete and continuous data.	**Place Value1**-10000, round digits to nearest 10, 100 and 1000. Roman numerals to 100. **Addition-** using column method to solve problems up to 4 digit numbers. **Subtraction** using column method to solve problems up to 4 digit numbers. **2D shapes-** classify shapes, lines of symmetry, acute and obtuse angles. **Position and movement-** describe movements as translations. Plot points on a grid. **Area and Perimeter-**find the perimeter and area of rectangular shapes.	**Place Value1**-10000, round digits to nearest 10, 100 and 1000. Roman numerals to 100. **Multiplication-**know up to 12x 12. Using column method to multiply HTU and TU by U. **Division-** know up to 12x 12. Using column method to divide HTU and TU by U. **Fractions and Decimals-** Recognise and write decimal equivalents to ¼; ½; ¾. Round decimal numbers to the nearest whole number. **Weight** compare calculate and convert between units of measure g and kg **Capacity** compare calculate and convert between units	**Addition-** using column method to solve problems up to 4 digit numbers. **Subtraction** using column method to solve problems up to 4 digit numbers. **2D shapes-** classify shapes, lines of symmetry, acute and obtuse angles. **Temperature-** solve 2 step problems involving temperature. **Place Value1**-10000, round digits to nearest 10, 100 and 1000. Roman numerals to 100.	**Multiplication-**know up to 12x 12. Using column method to multiply HTU and TU by U. **Division-** know up to 12x 12. Using column method to divide HTU and TU by U. **Fractions-** count in hundredths, add and subtract fractions, solve fraction problems. **Decimals** Recognise and write decimal equivalents to ¼; ½; ¾. Round decimal numbers to the nearest whole number. **Statistics-** read a range of tables and graphs, know discrete and continuous data.

				of measure ml and litre. **Time-** read analogue and 24 hour clocks. Solve time problems.		
Year 5	**Place Value1**-1000000, Roman numerals to 1000 **Addition-**solve word problems using increasingly large numbers using the column method. **Subtraction-** solve word problems using increasingly large numbers using the column method. **Decimal numbers-**solve problems involving decimal numbers including rounding and equivalence. **Weight-** solve problems involving converting metric measures and understand equivalence between metric and imperial measures.	**Place Value1**-1000000, Roman numerals to 1000 **Multiplication-** use all times table facts, know square and cubed numbers, use long multiplication to solve problems including 4 digit numbers. **Division-** use all times table facts, know prime numbers, and use short division to solve problems including 4 digit numbers. **Length-** solve problems involving converting metric measures and understand equivalence between metric and imperial measures. **2D shapes and nets-**use 2D representations to make 3D shapes. **Angles-** draw and measure angles accurately, know whole turn, half turn in degrees.	**Place Value1**-1000000, Roman numerals to 1000 **Addition-**solve word problems using increasingly large numbers using the column method. **Subtraction-** solve word problems using increasingly large numbers using the column method. **Capacity-** solve problems involving converting metric measures and understand equivalence between metric and imperial measures. **Position and movement-** reflect, translate or rotate a shape. **Fractions-** compare and order fractions, add and subtract fractions, convert mixed numbers to improper fractions.	**Place Value1**-1000000, Roman numerals to 1000 **Multiplication-** use all times table facts, know square and cubed numbers, use long multiplication to solve problems including 4 digit numbers. **Division-** use all times table facts, know prime numbers, use short division to solve problems including 4 digit numbers. **Decimal numbers-**solve problems involving decimal numbers including rounding and equivalence. **Statistics –**complete, read and interpret a range of graphs and tables. **Time-** solve problems involving converting units of time.	**Place Value1**-1000000, Roman numerals to 1000 **Addition-**solve word problems using increasingly large numbers using the column method. **Subtraction-** solve word problems using increasingly large numbers using the column method. **Percentages-** recognise % as per cent and solve problems involving equivalence between fractions, decimals and percentages. **Area and Perimeter-** calculate the area and perimeter of compound shapes. **Statistics –**complete, read and interpret a range of graphs and tables.	**Place Value1**-1000000, Roman numerals to 1000 **Multiplication-** use all times table facts, know square and cubed numbers, use long multiplication to solve problems including 4 digit numbers. **Division-** use all times table facts, know prime numbers, and use short division to solve problems including 4 digit numbers. **Fractions-** compare and order fractions, add and subtract fractions, convert mixed numbers to improper fractions. **Decimal numbers-**solve problems involving decimal numbers including rounding and equivalence. **Percentages-** recognise % as per cent and solve problems involving equivalence between fractions, decimals and percentages.
Year 6	**Place value-** up to 10000000 including negative numbers and decimals **Addition-** using column method. Solving multi-step problems. **Subtraction-** using column method. Solving multi-step problems. **Weight-** converting	**Place value-** up to 10000000 including negative numbers and decimals **Multiplication-** using short and long multiplication. Solving multi-step problems. **Division-** using short and long division. Solving multi-step problems.	**Place value-** up to 10000000 including negative numbers and decimals **Addition-** using column method. Solving multi-step problems. **Subtraction-** using column method. Solving multi-step problems. **Multiplication-** using short	**Place value-** up to 10000000 including negative numbers and decimals **Addition-** using column method. Solving multi-step problems. **Subtraction-** using column method. Solving multi-step problems. **Multiplication-** using short	**Place value-** up to 10000000 including negative numbers and decimals **Addition-** using column method. Solving multi-step problems. **Subtraction-** using column method. Solving multi-step problems. **Multiplication-** using short	**Place value-** up to 10000000 including negative numbers and decimals **Addition-** using column method. Solving multi-step problems. **Subtraction-** using column method. Solving multi-step problems. **Multiplication-** using short

between units of measure and solving multi-step problems. **Capacity** - converting between units of measure and solving multi-step problems. **Time**-Solving problems of time using clocks, calendars, timetables. **Temperature**- solving temperature problems using positive and negative numbers.	**Length**- converting between units of measure and solving multi-step problems. **Fractions**- compare and order, find fractions of amounts, add and subtract fractions. **Algebra**- understand formulae, find pairs of missing numbers.	and long multiplication. Solving multi-step problems. **Division**- using short and long division. Solving multi-step problems. **Fractions, decimals and percentages**- find equivalence between FDP, solve problems involving FDP. **Geometry**- know properties of 2D and 3D shapes, nets, angles, draw shapes accurately, circles (radius, circumference) **Position and direction** –use co-ordinates, rotate, reflect and translate shapes.	and long multiplication. Solving multi-step problems. **Division**- using short and long division. Solving multi-step problems. **Fractions, decimals and percentages**- find equivalence between FDP, solve problems involving FDP. **Statistics**-interpret and draw pie charts and line graphs, calculate the mean average. **Area and perimeter**- area of rectangles, parallelograms, triangles and compound shapes. Perimeter of irregular shapes, volume of shapes in cm³	and long multiplication. Solving multi-step problems. **Division**- using short and long division. Solving multi-step problems. **Ratio and Proportion**- solve problems of ratio and proportion, use scaling. **Algebra** -understand formulae, find pairs of missing numbers.	and long multiplication. Solving multi-step problems. **Division**- using short and long division. Solving multi-step problems. **Length**- converting between units of measure and solving multi-step problems. **Capacity**- converting between units of measure and solving multi-step problems.