MATHEMATICS Long Term Planning – Summary of YEAR 4 Units

AUTUMN 1	AUTUMN 2
- Recognise and understand the place value of four-digit numbers. Order and compare numbers beyond 1000. Identify, estimate and represent numbers in different ways. - Round any whole number to the nearest 10, 100 or 1000. - Count backwards past zero including negative numbers. - Count on in steps of 6, 7, 9, 25 and 1000. - Add and subtract numbers up to 4 digits using formal written methods. - Estimate and use inverse to check written methods. - Read, write and convert between analogue and digital 12 and 24-hour times. - Solve problems including converting units of time. - Compare and sort 2d shapes including different types of triangles and quadrilaterals. - Identify lines of symmetry in shapes and complete simple symmetrical patterns.	- Begin to recall multiplication and division facts for times table up to 12 x 12. - Multiply 2-digit and 3-digit numbers by a single digit number using the grid method. - Divide numbers using the chunking method and short division method (bus stop). - Count up and down in hundredths. - Understand the place value of decimal numbers to 2 decimal place. - Round decimal numbers to the nearest whole number. - Compare decimals with up to 2dp. - Convert between units of measure (e.g. hours to minutes, km to m etc.). - Measure and calculate the perimeter of rectangular shapes. - Identify, compare and order angles including acute and obtuse angles. - Interpret and present data using bar charts and line graphs.
SPRING 1	**SPRING 2**
- Read Roman numerals to 100. - Add and subtract 4 digit numbers and numbers to 2 decimal point (money) using columnar methods. - Solve addition and subtract two-step problems in a range of contexts. - Recall multiplication and division facts for times table up to 12 x 12. - Recognise factor pairs using times table skills. - Use diagrams to represent common equivalent fractions. - Read and write decimal equivalence for 10ths and 100ths. - Estimate, compare and calculate measures including money. - Find the area of rectangular shapes. - Describe and plot positions as coordinates in the first quadrant.	- Multiply 2-digit and 3-digit numbers by a single digit number using the grid method. - Divide numbers using the chunking method and short division method (bus stop). - Solve problems involving multiplying and dividing applying scaling problems. - Solve problems including fractions to calculate quantities including measures and money. - Add and subtract fractions with the same denominator. - Solve comparison questions and problems from bar charts, tables, pictograms and time graphs.
SUMMER 1.	**SUMMER 2**
- Add and subtract 4 digit numbers and numbers to 2 decimal point (money) using columnar methods moving on to increasing larger numbers to develop fluency and accuracy. - Solve addition and subtract two-step problems in a range of contexts linking in shape, measures and money. - Draw symmetrical patterns using a variety of media. - Describe movements between two positions as translations.	- Multiply 2-digit and 3-digit numbers by a single digit number using the grid method. - Divide numbers using the chunking method and short division method (bus stop). - Solve two step problems in context involving multiplying and dividing applying scaling problems. - Continue to add and subtract fractions and develop fluency of applying this to mode complex problems. - Use decimal notation fluently to order, compare and round decimals.