

St. Paul's C of E Primary School

Maths Long Term Plan Year 5

DOMAINS	TERM 1	TERM 2	TERM 3
NUMBER	<ul style="list-style-type: none"> Read & write numbers to 1000000 To compare & order numbers Place value of digits Counting in 100s, 1000s & 10 000s. 	Rounding to the nearest 10, 100, 1000, 10000 & 100000 Count forwards & backwards in negative numbers	<ul style="list-style-type: none"> Read Roman numerals to 1000
ADDITION & SUBTRACTION	<ul style="list-style-type: none"> Mentally add & subtract numbers Practise adding & subtracting large numbers mentally Written method of addition Written method of subtraction Solve number puzzles 	<ul style="list-style-type: none"> Mentally add & subtract numbers Add & subtract numbers using written methods Use rounding to estimate Addition & subtraction number puzzles 	<ul style="list-style-type: none"> Use rounding to check Addition & subtraction number problems Addition & subtraction multi-step problems Addition & subtraction number puzzles
MULTIPLICATION & DIVISION	<ul style="list-style-type: none"> Identifying multiples Finding common factors of two numbers Applying multiplication & division facts Mental strategies for multiplication & division Multiply & divide by 10, 100 & 1000 Written method of short multiplication Long multiplication (grid method) Written method for short division Rounding remainders (simple) Express a remainder as a fraction & as a decimal 	<ul style="list-style-type: none"> Identify prime numbers & composite numbers Mental multiplication & division Apply multiplication & division facts Recognise & use square numbers Use formal written method for short multiplication Use formal written method for long multiplication Mixed short and long multiplication using formal written method Use formal written method for short division Rounding remainders appropriate for the context Solve 1- & 2-step problems involving all four operations 	<ul style="list-style-type: none"> Know & use prime numbers, prime factors & composite numbers Apply multiplication & division facts Understand & use square & cube numbers Use formal written method for division Rounding remainders appropriate for the context Use formal written methods for short multiplication & division Mentally solve number & multi-step problems involving all four operations Solve 2-step word problems using all four operations Solve number problems using all four operations Solve number puzzles
FRACTIONS	<ul style="list-style-type: none"> Finding equivalent fractions of a given fraction Comparing fractions with different denominators Write improper fractions as a mixed number Addition & subtraction of fractions (same denominator & multiples of same number) Finding fractions of numbers Read & write decimal numbers as fractions & vice versa Recognise & use decimal fractions Mental addition and subtraction of decimals Add decimals with the same number of decimal places Subtract decimals with the same number of 	<ul style="list-style-type: none"> Comparing & ordering fractions (with different denominators) Change improper fractions to a mixed number & vice versa Add & subtract fractions involving mixed numbers Solve word problems involving finding fractions of numbers & quantities Round decimals to nearest whole number or tenth Compare numbers with up to three decimal places Counting fractions Counting in decimals Add decimals with different numbers of decimal 	<ul style="list-style-type: none"> Add & subtract fractions involving mixed numbers Multiply fractions & mixed numbers by whole numbers Finding fractions of whole numbers Order decimals with up to three decimal places Count in decimals & fractions Solve number puzzles involving decimals Write fractions & decimals as percentages Find equivalent fractions, decimals & percentages Find percentages of amounts & quantities

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	decimal places	places <ul style="list-style-type: none"> Subtract decimals with different numbers of decimal places 	
MEASUREMENT	<ul style="list-style-type: none"> Converting metric units To solve length word problems To solve weight word problems To solve capacity word problems Area & perimeter of squares & rectangles Problem solving- converting units of time Calculate compliments of one unit of measure 	<ul style="list-style-type: none"> Convert between different units of metric measures Use common imperial measures & their metric equivalents Calculate area & perimeter of squares, rectangles & related irregular shapes Recognise volume by using 1cm² blocks to build & visualise cuboids Multiply & divide measures by 10, 100 & 1000 Use a formal written method to add metric measures Use a formal written method to subtract metric measures 	<ul style="list-style-type: none"> Use common imperial measures & their metric equivalents Calculate and compare the areas of squares and rectangles Calculate areas and perimeters from scale drawings Multiply & divide measures mentally – converting between units Add & subtract metric measures using a written method Use mental methods to solve word problems involving conversion of metric units of measure Solve word problems involving measures using decimal notation
GEOMETRY	<ul style="list-style-type: none"> Identifying right angles and other multiples of 90 degrees Compare different angles Measure angles Drawing angles Identify 3-D shapes from 2-D representations 	<ul style="list-style-type: none"> Find missing angles at a point & on a straight line Construct quadrilaterals using a ruler & protractor accurately Distinguish between regular & irregular polygons Identify & sketch the position of a shape following a reflection Represent the position of a shape after a translation 	<ul style="list-style-type: none"> Use properties of rectangles to find lengths & angles Recognise properties of diagonals in quadrilaterals Plot coordinates, draw a shape & predict its position following a reflection Identify & represent the position of a shape after a translation
STATISTICS	<ul style="list-style-type: none"> Solve problems using information presented in a line graph Create frequency tables 	<ul style="list-style-type: none"> Solve problems using information presented in a line graph Read & interpret information in a table Read & interpret information in timetables 	<ul style="list-style-type: none"> Complete, read & interpret information in a table Use a timetable to find information
REVIEW/ASSESSMENT	Use 'Rising Star Assessments' after each domain.	Use 'Rising Star Assessments' after each domain.	Use 'Rising Star Assessments' after each domain.