Holy Family Catholic Primary School Y4 Maths Overview

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number Number and Place Value Addition and Subtraction	**Number** Addition and Subtraction Multiplication and Division	**Fractions**	**Measurement**	**Geometry** Properties of shapes Position and direction	**Statistics**
Count in multiples of 6, 7, 9, 25 and 1000 *Find 1000 more or less than a given number* *Count backwards through zero to include negative numbers* *Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)* *Order and compare numbers beyond 1000* Identify, represent and estimate numbers using different representations *Round any number to the nearest 10, 100 or 1000* Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why *Recall multiplication and division facts for multiplication tables up to 12 x 12* *Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers*	*Recognise and show, using diagrams, families of common equivalent fractions* *Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten* *Add and subtract fractions with the same denominator* *Recognise and write decimal equivalents of any number of tenths or hundredths* *Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$* *Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the*	Convert between different units of measure Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Find the area of rectilinear shapes by counting squares Estimate, compare and calculate different measures, including money in pounds and pence Read, write and convert time between analogue and digital, 12 and 24-hour clocks	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes *Identify acute and obtuse angles and compare and order angles up to two right angles* Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry Describe positions on a 2-D grid as coordinates in the first quadrant Describe movement between positions as translations of a given unit to the left/right and up/down	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction where appropriate Solve number and practical problems that involve all of the above and with increasingly large positive numbers number and place value	*Recognise and use factor pairs and commutativity in mental calculations* Multiply two-digit and three-digit by a one-digit number using formal written layout	*answer as units, tenths and hundredths* *Round decimals with one decimal place to the nearest whole number* Compare numbers with the same number of decimal places up to two decimal places		Plot specified points and draw sides to complete a given polygon	

Continuous objectives:

Solve number and practical problems that involve all of the above and with increasingly large positive numbers number and place value

Estimate and use inverse operations to check answers to a calculation

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Solve problems involving increasingly harder fractions to calculate quantities,
and fractions to divide quantities, including non-unit fractions where the answer is a whole number

Solve simple measure and money problems involving fractions and decimal problems to two decimal places

Solve problems, involving converting from hours to minutes; minutes to seconds; years to months; weeks to days