

Holy Trinity Catholic Academy - Maths					
Year 3 – Advent Term			Year 4 – Advent Term		
By the end of the advent term, the children in Year 3 will be expected to...			By the end of the advent term, the children in Year 4 will be expected to...		
Advent Term 1	Place Value		Place Value		
	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number		Count in multiples of 6, 7, 9, 25 and 1000		
	Recognise the place value of each digit in a three-digit number (Hundreds, tens, ones)		Find 1000 more or less than a given number		
	Compare and order numbers up to 1000		Count backwards through zero to include negative numbers		
	Identify, represent and estimate numbers using different representations		Recognise the place value of each digit in a four-digit number (Thousands, Hundreds, Tens, Ones)		
	Read and write numbers up to 1000 in numerals and words		Order and compare numbers beyond 1000		
	Solve number problems and practical problems involving these ideas		Identify, represent and estimate numbers using different representations		
			Round any number to the nearest 10, 100 or 1000		
			Solve number and practical problems that involve all of the above and with increasingly large positive numbers		
			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		
	Number: Four Operations (Addition + Subtraction)		Number: Four Operations (Addition + Subtraction)		
	Add and subtract numbers mentally, including: A three-digit number and ones. A three-digit number and tens. A three-digit number and hundreds.		Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.		

Advent Term 2	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction		Estimate and use inverse operations to check answers to a calculation	
	Estimate the answer to a calculation and use inverse operations to check answers		Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	
	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.			
	Number: Four Operations (Multiplication + Division)		Number: Four Operations (Multiplication + Division)	
	Recall and use multiplication and division facts for the: 3 Times Table 4 Times Table 8 Times Table		Recall multiplication and division facts for multiplication tables up to 12x12.	
	Write and calculate mathematical statements for multiplication and division using multiplication tables that they know.		Use place value, known and derived facts to multiply and divide mentally, including: Multiplying by 0 and 1 (On WRM multiply by 100 appears – not on curriculum)	
Lent Term 1	Year 3 – Lent Term		Year 4 – Lent Term	
	By the end of the Lent term, the children in Year 3 will be expected to...		By the end of the Lent term, the children in Year 4 will be expected to...	
	Number: Multiplication and Division		Number: Multiplication and Division	
	Write and calculate mathematical statements for multiplication and division using multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods		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	
	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling		Recognise and use factor pairs and commutativity in mental calculations	

	problems and correspondence problems in which n objects are connected to m objects			
			Multiply two-digit and three-digit numbers by one-digit number using formal written layout	
			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	
	Measurement: Length, Perimeter and Area		Measurement: Length, Perimeter and Area	
	Measure the perimeter of simple 2-D shapes		Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
			Find the area of rectilinear shapes by counting squares	
	Number: Fractions		Number: Fractions	
Lent Term 2 (Fractions Split across Lent 1 and 2)	Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing one-digit numbers or qualities by 10		Recognise and show, using diagrams, families of common equivalent fractions	
	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators		Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	
	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators		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	
	Recognise and show, using diagrams, equivalent fractions with small denominators		Add and subtract fractions with the same denominator	
	Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]			

	Compare and order unit fractions, and fractions with the same denominators		Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.	
	Solve problems that involve all of the above			
	Measurement – Mass and Capacity		Number: Decimals	
	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)		Recognise and write decimal equivalents of any number of tenths or hundredths	
	Year 3 – Pentecost Term		Year 4 – Pentecost Term	
	By the end of the Pentecost term, the children in Year 3 will be expected to...		By the end of the Pentecost term, the children in Year 4 will be expected to...	
Pentecost Term 1	Number: Decimals (Including money)		Number: Decimals (Including money)	
	Add and subtract amounts of money to give change, using both £ and P in practical contexts		Recognise and write decimals equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	
			Compare numbers with the same number of decimal places up to two decimal places	
			Solve simple measure and money problems involving fractions and decimals to two decimal places	
			Round decimals with one decimal place to the nearest whole number	
	Measurement: Time		Measurement: Time	
	Tell and write the time from an analogue clock, including using Roman numerals from I to Xii, and 12-hour and 24-hour clocks		Convert between different units of measure [for example, kilometre to metre; hour to minute]	
	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight		Read, write and convert time between analogue and digital 12- and 24-hour clocks	
	Know the number of seconds in a minute and the number of days in each month, year and leap year		Solve problems involving converting between hours to minutes; minutes to seconds; years to months; weeks to days	

	Compare durations of events [for example to calculate the time taken by particular events or tasks]			
	Statistics		Statistics	
Pentecost Term 2	Interpret and present data using bar charts, pictograms and tables		Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	
	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables		Solve comparison, sum and different problems using information presented in bar charts, pictograms, tables and other graphs	
	Geometry: Properties of Shape		Geometry: Properties of Shapes and Position and Direction	
	Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	
	Recognise angles as a property of shape or a description of a turn		Identify acute and obtuse angles and compare and order angles up to two right angles by size	
	Identify right angles, recognise that two right angles make a half-term, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle		Identify lines of symmetry in 2-D shapes presented in different orientations	
	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines		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 movements between positions as translations of a given unit to the left/right and up/down	
			Plot specified points and draw sides to complete a given polygon	