

YEAR 5 MATHS AT ORCHARD - OVERVIEW

Milton Keynes Year 5 Overview 2021-2022																															
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
Sept	Summer	CPD Day	CPD Day		Number 1 (Place Value)					Number 1 (Place Value)					Number 1 (Place Value)					Calculation 1 (Add & Sub)											
Oct	Calc 1			Calculation 1 (Add & Sub)					Number 2					Number 2					Half Term												
Nov	Statistics 1					Calculation 2 (Multiplication & Division)					Assessment Week					Calculation 2 (Multiplication & Division)					Geo 1										
Dec	Geometry 1 (Angles)					Geometry 1 (Angles)					Geometry 1 (Angles)					Christmas					Christmas										
Jan		Bank Holiday	CPD Day	Measure 1 (Units)					Measure 1 (Units)					Time 1					Fractions/Decimals/Percentages/Ratio 1				EOYR 1								
Feb	Fractions/Decimals/Percentages/Ratio 1					Fractions/Decimals/Percentages/Ratio 1					Fractions/Decimals/Percentages/Ratio 1					Half Term					Measures 2 (Perimeter/Area/Volume)										
Mar	Measure 2 (Perimeter/Area/Volume)					Assessment Week					Measure 2 (Perimeter/Area/Volume)					Number 3 (Directed Numbers)					Number 4 (Roman Numerals)										
Apr	Num 4			Position 1					Easter					Easter					CPD Day	Geometry 2 (2D & 3D shapes)											
May	Geometry 2 (2D & 3D shapes)					Fractions/Decimals/Percentages/Ratio 2					Fractions/Decimals/Percentages/Ratio 2					Fraction Calculations					Half Term										
June	Half Term					Fraction Calculations					Number 5 (Consolidation)					Number 5 (Consolidation)					Assessment Week										
July	Assess		Consolidation of Topics					Consolidation of Topics					Consolidation of Topics					Summer													

Key Curriculum Objectives and Assessment Criteria

Year 5 mathematics

Number and Place Value

I can read, write, order and compare numbers to at least 1,000,000

I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 and 100000

I can interpret negative numbers in context, count forwards and backwards with +ve and -ve integers

I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000

Statistics

I can solve comparison, sum and difference problems using information presented in a line graph

Position

I can identify, describe and represent the position of a shape following a reflection or translation

Geometry

I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles

I can estimate and compare acute, obtuse and reflex angles

I can identify angles at a point, a whole turn, a straight line and a half turn

I can draw given angles and measure them in degrees

Calculations

I can add and subtract mentally with increasingly large numbers

I can add and subtract whole numbers with more than 4 digits (selecting the most efficient method)

I can identify multiples find all factor pairs of a number and common factor pairs of two numbers

I can establish whether a number up to 100 is prime and recall prime numbers up to 19

I recognise and use square numbers and cube numbers, and the notation for squared and cubed

I can multiply numbers up to 4-digits by a 1-digit or 2-digit number

I can divide numbers up to 4-digits by a 1-digit number and interpret remainders appropriately

I can solve problems involving multiplication and division including scaling by simple fractions

Measures

I can convert between different units of metric measurement

I can measure and calculate the perimeter of composite rectilinear shapes in cm and m

I can calculate and compare the area of rectangles using standard units (cm² and cm³)

Fractions, Decimals and

I can recognise mixed numbers and improper fractions and convert from one form to the other

I can compare and order fractions whose denominators are multiples of the same number

I can read and write decimal numbers as fractions

I can read, write, order and compare numbers with up to three decimal places

I can round decimals with two decimal places to the nearest whole number and one decimal place

I know percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$ and those fractions with a denominator a multiple of 10 or 25

Fraction Calculations

I can add and subtract fractions with denominators that are multiples of the same number

I can multiply proper fractions and mixed numbers by whole numbers

Time

I can complete, read and interpret information in timetables

