

YEAR 6 MATHS AT ORCHARD - OVERVIEW

Milton Keynes Year 6 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)					Calculation 1					Assessment Week											
Oct	Assess			Calculation 1					Calculation 1					Calculation 1					Half Term												
Nov	Number 2 (Properties of Number)					Fractions/Decimals/Percentages/Ratio 1					Fractions/Decimals/Percentages/Ratio 1					Algebra 1					Geometry 1										
Dec	Geometry 1				Geometry 1				Position 1				Christmas					Christmas													
Jan		Bank Hol	CPD Day	Fractions/Decimals/Percentages/Ratio 2				Fractions/Decimals/Percentages/Ratio 2				Fraction calculations				Assessment Week					Frac Calc										
Feb	Fraction Calculations				Algebra 2				Geometry 2				Half Term					Meas 1													
Mar	Measures 1				Measures 1				Measures 1				Statistics 1				KS2 NC Test Preparation														
Apr	KS2 NCT		KS2 NC Test Preparation					Easter				Easter				CPD Day	KS2 NC Test Preparation														
May	KS2 NC Test Preparation					National Curriculum Tests				Summer Transition Scheme				Summer Transition Scheme				Half Term													
June	Half Term				Summer Transition Scheme				Summer Transition Scheme				Summer Transition Scheme				Summer Transition Scheme														
July	Transition		Summer Transition Scheme				Summer Transition Scheme				Summer Transition Scheme				Summer																



Year 6 mathematics

Number and Place Value

- I can read, write, order and compare numbers to at least 10,000,000
- I can round any whole number to a required degree of accuracy
- I can use interpret negative numbers in context and calculate intervals across zero
- I can identify common factors, common multiples and prime numbers
- I can multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 decimal places

Geometry

- I can compare and classify geometric shapes based on their properties and sizes
- I can recognise and build simple 3D shapes, including making nets
- I can find unknown angles in any triangles, quadrilaterals and regular polygons
- I recognise angles where they meet at a point, are on a straight line, are vertically opposite and find missing angles

Position

- I can draw and translate simple shapes on the co-ordinate plane, and reflect them in the axes

Calculations

- I can solve addition and subtraction multi-step problems in contexts
- I can multiply multi-digit numbers up to 4-digits by a 2-digit whole number
- I can divide numbers up to 4-digits by a 2-digit whole number and interpret remainders
- I can use my knowledge of the order of operations to carry out calculations involving the four operations
- I can use estimation to check answers to calculation and determine an appropriate degree of accuracy
- I can multiply 1-digit numbers with up to 2 decimal places by whole numbers

Measures

- I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time
- I can calculate the area of parallelograms and triangles
- I can calculate, estimate and compare volume of cubes and cuboids

Algebra

- I can use simple formulae
- I can generate and describe linear number sequences

Fractions, Decimals and Percentages

- I can compare and order fractions, including fractions >1
- I can recall and use equivalences between simple fractions, decimals and percentages
- I can recall and use equivalences between simple fractions, decimals and percentages
- I can solve problems involving the calculation of percentage and use of percentage comparisons
- I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

Fraction Calculations

- I can add and subtract fractions with different denominators and mixed numbers using equivalent fractions
- I can multiply simple pairs of proper fractions, writing the answer in the simplest form
- I can divide proper fractions by whole numbers

Statistics

- I can interpret and construct pie charts and line graphs and use these to solve problems
- I can calculate and interpret the mean as an average