

Herons' Moor Academy
Year 6 Long Term Maths Plan 2021 - 2022

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
	4 days							
Term 1 2.9.21- 22.10.21 + 1 inset	Number: Place Value Numbers to ten million Compare and order any number Round any numbers Negative numbers		ASSESSMENT WEEK	Number: Four Operations Add and subtract whole numbers Multiply up to a 4-digit by 1-digit number Short division Division using factors Long division Common factors Common multiples Primes Squares and cubes Order of operations Mental calculations and estimation Reasoning from known facts				
							Christmas Week	
Term 2 01.11.21- 17.12.21	ASSESSMENT WEEK	Number: Fractions Simplify fractions Fractions on a number line Compare and order fractions by the denominator Compare and order fractions by the numerator Add and subtract fractions Adding fractions Subtracting fractions Mixed addition and subtraction problems Multiply fractions by whole number Multiply fractions by fraction Divide a fraction by a whole number Four rules with fractions Fraction of an amount Fraction of an amount - finding the whole				Geometry: Position and Direction Coordinates in the first quadrant Plotting coordinates Translations Reflections Reasoning about shapes with coordinates		

	3 days						
Term 3 05.01.22 - 18.02.22 + 1 inset day	Revision	ASSESSMENT WEEK	Number: Decimals Three decimal places Multiply by 10, 100 & 1,000 Divide by 10, 100 & 1,000 Multiply decimals by integers Divide decimals by integers Division to solve problems Decimals as fractions Fractions to decimals		Number: Percentages Fractions to percentages Equivalent FDP Percentage of an amount Percentages – missing values Percentage increase and decrease Order FDP	Number: Algebra Find a rule – one step Find a rule – two step Use an algebraic rule Substitution Formulae Word Problems Solve simple one step equations Solve two step equations Find pairs of values Enumerate possibilities	Measurement: Converting units Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures
Term 4 28.02.22- 08.04 + one inset	ASSESSMENT WEEK	Measurement: Perimeter, Area and Volume Shapes – same area Area and perimeter Area of a triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid	Geometry: Properties of Shapes Measure with a protractor Introduce angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles		Statistics Read and interpret line graphs Draw line graphs Use line graphs to solve problems Circles Read and interpret pie charts Pie charts with percentages Draw pie charts The mean		

				Angles in special quadrilaterals Angles in regular polygons Draw shapes accurately Nets of 3D shapes			
	4 days						
Term 5 25.04.22- 27.05.22	Number: Ratio Using ratio language Ratio and fractions Introducing the ratio symbol Calculating ratio Using scale factors Calculating scale factors Ratio and proportion problems		Targeted Revision	ASSESSMENT WEEK	Project Week		
Term 6 06.06.22- 21.07.22 + 1 inset days	Problem solving and Investigations				Production Week	KILVE	Leavers' Activities