Maths Long Term Planning – Year 5

Autumn term:

Year 5	Position and Direction	Place Value	Addition and Subtraction	Multiplication and Division A	Assessment week	Fractions A
Suggested Small steps	Position in the first quadrant;	Roman numerals to 1000 Numbers to 1,000,000 Powers of 10 10/100/1000/10,000 more or less Partition numbers to 1,000,000 Compare and order numbers to 1,000,000 Round within 1,000,000	Add whole numbers with more than 4 digits Subtract whole numbers with 4 or more digits	Multiples Factors Prime numbers Square and cubed numbers Multiply and divide by 10,100,1000		Find equivalent fraction Recognise equivalent fractions Convert improper fractions/mixed numbers Compare and order fractions Add fractions Add and subtract mixed numbers
Ready to progress		5 NPV – 1 5 NPV – 2 5 NPV – 3 5 NPV – 4 5 NPV - 5	5 NF – 1 5 NF - 2	5 MD – 1 5 MD – 2 5 MD – 3 5 MD - 4		5 F -1 5 F – 2 5 F – 3
Vocab	column addition, column subtraction, estimate, inverse operation, number facts, place value, complex, tenths, hundredths, decimal tenths, decimal hundredths, decimal equivalents, part whole model, rounding, decimal point, place value, simplest form, common numerator, common denominator, multiple, simplify, cubed, cross section, depth, share, remainder, product, millions, reflection, mirror line, translation, horizontal, vertical, reflex, protractor, apex, continuous data, maximum value, minimum value, predict, relationship, represent.					
Threads		Statistics (Science)Time throughout				

Spring Term:

Year 5	Multiplication and Division B	Fractions B	Decimals and percentages	Assessment Week	Area and perimeter
Suggested small steps	Multiply up to a 4 digit number by a 1 digit number Multiply a 4 digit number by a 2 digit number Short division with remainders	Multiply a fraction by an integer Multiply a mixed number by an integer Fraction of an amount	Decimals up to 2 decimal places Equivalent fractions and decimals Thousandths on a place value Equivalent fractions and decimals Order and compare decimals up to 3 decimal places Round to the nearest whole number Round to 1 decimal place Percentages as decimals ad fractions Equivalent fractions, decimals and percentages		Calculate perimeter Area of rectangles Area of compound shapes
Ready to progress	5 MD – 1 5 MD – 2 5 MD – 35 MD - 4				5 G - 2
Vocabulary	column addition, column subtraction, estimate, inverse operation, number facts, place value, complex, tenths, hundredths, decimal tenths, decimal hundredths, decimal equivalents, part whole model, rounding, decimal point, place value, simplest form, common numerator, common denominator, multiple, simplify, cubed, cross section, depth, share, remainder, product, millions, reflection, mirror line, translation, horizontal, vertical, reflex, protractor, apex, continuous data, maximum value, minimum value, predict, relationship, represent.				
Threads	Statistics (Science)Time throughout				

Summer Term:

Year 5		Shape	Position and Direction	Converting Units	Volume	Decimals	Assessment Week	Consolidation
Suggested small steps		Compare and order angles Measure angles with a protractor Calculating angles on a straight line Calculating angles around a point Triangles Calculating angles in shapes Quadrilaterals Regular and irregular polygons	Translation Translation with coordinates Lines of symmetry Reflection	Milometers Kilograms Millimetres Millilitres Converting units of time Timetables	Volume of a cuboid	Adding and subtracting decimals Multiplying and dividing decimals by 10, 100, 1000		
Ready to progress		5 G - 1						
Vocabulary		column addition, column subtraction, estimate, inverse operation, number facts, place value, complex, tenths, hundredths, decimal tenths, decimal hundredths, decimal equivalents, part whole model, rounding, decimal point, place value, simplest form, common numerator, common denominator, multiple, simplify, cubed, cross section, depth, share, remainder, product, millions, reflection, mirror line, translation, horizontal, vertical, reflex, protractor, apex, continuous data, maximum value, minimum value, predict, relationship, represent.						
Threads		Statistics (Science)Time throughout						