

# PLANNING AT WHIMPLE SCHOOL: MATHS PROGRESSION

## Willow Class – Year 5/6

### Autumn Term

BLOCK	UNIT TITLE
Place Value (5 days)	PV and +/- in 5-digit and 6-digit numbers
	Numbers on a line; round to powers of 10
Addition & Subtraction (A) (7 days)	Column addition with whole numbers
	Column addition: decimals and money
	Money: counting up, change, differences
Decimals (10 days)	PV in 2- and 3-place decimal numbers
	Count/add/subtract 0.1, 0.01, 0.001
	Place value in decimals
	Rounding and adding decimals
Multiplication & Division (A) (10 days)	Properties of numbers, including primes
	Written multiplication strategies
	Mental Division strategies
Addition & Subtraction (B) (8 days)	Whole number column subtraction & frog
	Subtract nums with 1 or 2 decimal places
	Strategies for +/-; word problems
Multiplication & Division (B) (8 days)	Mental mult/Div; problem solving
	Written Division strategies
Fractions (8 days)	Order fractions; fractions of amounts
	Decimal/fraction equivalents
	Add/subtract fractions, using equivalence
Shape (11 days)	Quadrilaterals, other polygons and circles
	Find missing angles and draw 2-D shapes
	Sort 3-D shapes; nets and 3-D shapes
	Coordinates: polygons & transformations

### Spring Term

BLOCK	UNIT TITLE
Place Value (6 days)	Place value
	Negative numbers
Calculation (7 days)	Use of brackets in calculation
	Addition and subtraction
Decimals and Fractions (9 days)	Frog for decimals
	Explore fractions, decimals & percentages
	Multiply and Divide fractions
Time and Data (6 days)	Time and timetables
	Line graphs and pie charts
Multiplication (5 days)	Multiples, factors and mental strategies
	Multiplication
Measures (10 days)	Units of measurement
	Area, perimeter, scaled shapes
	Finding volumes
Multiplication and Division (7 days)	Division
	4-digit multiplication and Division
Algebra (7 days)	Algebra
	Ratio

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## Summer Term

BLOCK	UNIT TITLE
Revision Menu A (8 days)	Numbers and place value
	Addition and subtraction
	Decimals, multiplication and Division
Revision Menu B (9 days)	Fractions, ratio and percentages
	Charts, graphs and algebra
	Area, perimeter and angles
Top-up Revision Menu (10 days)	Factors, multiples, primes and squares
	Multiplication and Division
	Fraction - decimal - % equivalence
	Data: Pi charts and mean
	Transformations and co-ordinates
	Volume
Decimals, Addition & Subtraction (8 days)	Exploring decimals
	Smashing subtraction
	Accomplished addition
Number properties and Multiplication (9 days)	Number properties
	Exploring multiplication
Division, Fractions and Percentages (11 days)	Division done
	Calculating with fractions
	Mastering percentages
Measures, Shape, Data (6 days)	It's time!
	Line graphs
	Understanding angles