

Hackleton CEVA Primary School

Maths Long Term Plans and Small Steps (Based on White Rose Maths)



Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value			Number Addition and subtraction		Number Multiplication and division A			Number Fractions A			
Spring	Number Multiplication and division B			Number Fractions B		Number Decimals and percentages			Measurement Perimeter and area		Statistics	
Summer	Geometry Shape			Geometry Position and direction		Number Decimals			Number Negative numbers	Measurement Converting units		Measurement Volume

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Year 5 WRM small steps - Autumn			
Number - Place Value (3 weeks)	Number - Addition and subtraction (2 weeks)	Number – Multiplication and Division A (3 weeks)	Number – Fractions A (4 weeks)
Step 1 Roman numerals to 1,000 Step 2 Numbers to 10,000 Step 3 Numbers to 100,000 Step 4 Numbers to 1,000,000 Step 5 Read and write numbers to 1,000,000 Step 6 Powers of 10 Step 7 10/100/1,000/10,000/100,000 more or less Step 8 Partition numbers to 1,000,000 Step 9 Number line to 1,000,000 Step 10 Compare and order numbers to 100,000 Step 11 Compare and order numbers to 1,000,000 Step 12 Round to the nearest 10, 100 or 1,000 Step 13 Round within 100,000 Step 14 Round within 1,000,000	Step 1 Mental strategies Step 2 Add whole numbers with more than four digits Step 3 Subtract whole numbers with more than four digits Step 4 Round to check answers Step 5 Inverse operations (addition and subtraction) Step 6 Multi-step addition and subtraction problems Step 7 Compare calculations Step 8 Find missing numbers	Step 1 Multiples Step 2 Common multiples Step 3 Factors Step 4 Common factors Step 5 Prime numbers Step 6 Square numbers Step 7 Cube numbers Step 8 Multiply by 10, 100 and 1,000 Step 9 Divide by 10, 100 and 1,000 Step 10 Multiples of 10, 100 and 1,000	Step 1 Find fractions equivalent to a unit fraction Step 2 Find fractions equivalent to a non-unit fraction Step 3 Recognise equivalent fractions Step 4 Convert improper fractions to mixed numbers Step 5 Convert mixed numbers to improper fractions Step 6 Compare fractions less than 1 Step 7 Order fractions less than 1 Step 8 Compare and order fractions greater than 1 Step 9 Add and subtract fractions with the same denominator Step 10 Add fractions within 1 Step 11 Add fractions with total greater than 1 Step 12 Add to a mixed number Step 13 Add two mixed numbers Step 14 Subtract fractions Step 15 Subtract from a mixed number Step 16 Subtract from a mixed number – breaking the whole Step 17 Subtract two mixed numbers

Year 5 White Rose Maths Small Steps - **Spring**

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Number – Multiplication and Division B (3 weeks)	Number – Fractions B (4 weeks)	Number – Decimals and Percentages (3 weeks)	Measure – Perimeter and Area (2 weeks)	Statistics (2 weeks)
<p>Step 1 Multiply up to a 4-digit number by a 1-digit number</p> <p>Step 2 Multiply a 2-digit number by a 2-digit number (area model)</p> <p>Step 3 Multiply a 2-digit number by a 2-digit number</p> <p>Step 4 Multiply a 3-digit number by a 2-digit number</p> <p>Step 5 Multiply a 4-digit number by a 2-digit number</p> <p>Step 6 Solve problems with multiplication</p> <p>Step 7 Short division</p> <p>Step 8 Divide a 4-digit number by a 1-digit number</p> <p>Step 9 Divide with remainders</p> <p>Step 10 Efficient division</p> <p>Step 11 Solve problems with multiplication and division</p>	<p>Step 1 Multiply a unit fraction by an integer</p> <p>Step 2 Multiply a non-unit fraction by an integer</p> <p>Step 3 Multiply a mixed number by an integer</p> <p>Step 4 Calculate a fraction of a quantity</p> <p>Step 5 Fraction of an amount</p> <p>Step 6 Find the whole</p> <p>Step 7 Use fractions as operators</p>	<p>Step 1 Decimals up to 2 decimal places</p> <p>Step 2 Equivalent fractions and decimals (tenths)</p> <p>Step 3 Equivalent fractions and decimals (hundredths)</p> <p>Step 4 Equivalent fractions and decimals</p> <p>Step 5 Thousandths as fractions</p> <p>Step 6 Thousandths as decimals</p> <p>Step 7 Thousandths on a place value chart</p> <p>Step 8 Order and compare decimals (same number of decimal places)</p> <p>Step 9 Order and compare any decimals with up to 3 decimal places</p> <p>Step 10 Round to the nearest whole number</p> <p>Step 11 Round to 1 decimal place</p> <p>Step 12 Understand percentages</p> <p>Step 13 Percentages as fractions</p> <p>Step 14 Percentages as decimals</p> <p>Step 15 Equivalent fractions, decimals and percentages</p>	<p>Step 1 Perimeter of rectangles</p> <p>Step 2 Perimeter of rectilinear shapes</p> <p>Step 3 Perimeter of polygons</p> <p>Step 4 Area of rectangles</p> <p>Step 5 Area of compound shapes</p> <p>Step 6 Estimate area</p>	<p>Step 1 Draw line graphs</p> <p>Step 2 Read and interpret line graphs</p> <p>Step 3 Read and interpret tables</p> <p>Step 4 Two-way tables</p> <p>Step 5 Read and interpret timetables</p>

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Geometry - Shape. (3 weeks)	Geometry – Position and Direction (2 weeks)	Number – Decimals (3 weeks)	Number – Negative Numbers (1 week)	Measure – Converting Units (2 weeks)	Measurement - Volume (1 week)
Step 1 Understand and use degrees Step 2 Classify angles Step 3 Estimate angles Step 4 Measure angles up to 180° Step 5 Draw lines and angles accurately Step 6 Calculate angles around a point Step 7 Calculate angles on a straight line Step 8 Lengths and angles in shapes Step 9 Regular and irregular polygons Step 10 3-D shapes	Step 1 Read and plot coordinates Step 2 Problem solving with coordinates Step 3 Translation Step 4 Translation with coordinates Step 5 Lines of symmetry Step 6 Reflection in horizontal and vertical lines	Step 1 Use known facts to add and subtract decimals within 1 Step 2 Complements to 1 Step 3 Add and subtract decimals across 1 Step 4 Add decimals with the same number of decimal places Step 5 Subtract decimals with the same number of decimal places Step 6 Add decimals with different numbers of decimal places Step 7 Subtract decimals with different numbers of decimal places Step 8 Efficient strategies for adding and subtracting decimals Step 9 Decimal sequences Step 10 Multiply by 10, 100 and 1,000 Step 11 Divide by 10, 100 and 1,000 Step 12 Multiply and divide decimals – missing values	Step 1 Understand negative numbers Step 2 Count through zero in 1s Step 3 Count through zero in multiples Step 4 Compare and order negative numbers Step 5 Find the difference	Step 1 Kilograms and kilometres Step 2 Millimetres and millilitres Step 3 Convert units of length Step 4 Convert between metric and imperial units Step 5 Convert units of time Step 6 Calculate with timetables	Step 1 Cubic centimetres Step 2 Compare volume Step 3 Estimate volume Step 4 Estimate capacity