ICKFORD SCHOOL

CLASS 3

Numeracy Scheme of Work

Class 3 Autumn 1				
	Week 1 – 2	**Week 3**	**Week 4 – 5**	**Week 6 – 7**
Topic	**Number and Place Value**	**Roman Numerals**	**Addition**	**Subtraction**
National Curriculum Link	Recognise the place value of each digit in a three-digit and four-digit number. Compare and order numbers up to and beyond 1000. Round any number to the nearest 10, 100 or 1000. Count backwards through zero to include negative numbers.	Read Roman Numerals to 100 (Year 3). Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value (Year 4).	Add numbers mentally. Add numbers with three and four digits using formal written methods. Estimate and use inverse operations to check answers to a calculation. Solve addition two-step problems in context.	Subtract numbers mentally. Subtract numbers with three and four digits using formal written methods. Estimate and use inverse operations to check answers to a calculation. Solve subtraction two-step problems in context.
White Rose Maths Resource Link	Place Value	Roman Numerals	Addition and Subtraction	Addition and Subtraction

Class 3 Autumn 2				
	Week 1 – 2	**Week 3 – 4**	**Week 5 – 6**	**Week 7**
Topic	**Multiplication**	**Division**	**Length and Perimeter (Squares and Rectangles)**	**Area (Squares and Rectangles)**
National Curriculum Link	Recall multiplication facts for the 3 and 4 multiplication tables (Year 3) and up to 12 × 12 (Year 4). Use place value, known and derived facts to multiply mentally. Write and calculate mathematical statements for multiplication mentally and progress to formal written methods. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	Use place value, known and derived facts to divide mentally. Write and calculate mathematical statements for division mentally and progress to formal written methods. Divide two-digit and three-digit numbers by a one-digit number using formal written layout. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit.	Measure, compare, add and subtract lengths (m/cm/mm). Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres and simple 2D shapes.	Find the area of rectilinear shapes by counting squares (Year 3) and multiplying length by width (Year 4).
White Rose Maths Resource Link	Multiplication	Division	Length and Perimeter	Area

Class 3 Spring 1				
	Week 1 – 2	**Week 3**	**Week 4**	**Week 5 - 7**
Topic	**Fractions**	**Factors**	**Multiples**	**Shape (Regular Polygons and Triangles)**
National Curriculum Link	Recognise and show equivalent fractions with small denominators. Compare and order unit fractions, and fractions with the same denominators. Recognise and show families of common equivalent fractions (Year 4).	Recognise and use factor pairs. Use the inverse operation to calculate missing numbers in factor pairs.	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number (Year 3). Count in multiples of 6, 7, 9, 25 and 1000 (Year 4).	Plot specified points and draw sides to complete a given polygon. Identify lines of symmetry in 2D shapes presented in different orientations. Complete a simple symmetric figure with respect to a specific line of symmetry. Recognise 3D shapes in different orientations and describe them. Compare and classify geometric shapes based on their properties and sizes (Year 4).
White Rose Maths Resource Link	Fractions	Factors Step 1	Multiples	Shape

Class 3 Spring 2				
	Week 1 – 2	**Week 3**	**Week 4**	**Week 5 – 6**
Topic	**Mass and Capacity**	**Converting Metric Measures**	**Fractions**	**Add and Subtract Fractions**
National Curriculum Link	Measure, compare, add and subtract mass (kg/g) and volume/capacity (l/ml). Use knowledge of multiplying and dividing by 10, 100 and 1000 to convert between ml and l and g and kg	Convert between different units of measure (e.g. kilometre to metre; hour to minute).	Recognise and use fractions as numbers: unit fractions and non-unit fractions. Recognise, find and write fractions of a discrete set of objects. Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.	Add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7).
White Rose Maths Resource Link	Mass and Capacity	Measure	Fractions	Add and Subtract Fractions

Class 3 Summer 1			
	Week 1 – 2	**Week 3 – 5**	**Week 6 – 7**
Topic	**Time**	**Decimals**	**Money**
National Curriculum Link	Know the number of seconds in a minute and the number of days in each month, year and leap year. Tell and write the time from an analogue clock, including using roman numerals from I to XII, and 12-hour and 24-hour clocks. Read, write and convert time between analogue and digital 12 and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to 1/4; 1/2; ¾ (Year 4). Round decimals with one decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to two decimal places.	Solve simple measure and money problems involving fractions and decimals to two decimal places. Add and subtract amounts of money to give change, using both £ and 'p' in practical contexts. Estimate, compare and calculate different measures, including money in pounds and pence.
White Rose Maths Resource Link	Time (Link not yet available)	Decimals (Link not yet available)	Money (Link not yet available)

Class 3 Summer 2				
	Week 1	**Week 3**	**Week 4 - 5**	**Week 6**
Topic	**Angles**	**Position and Direction**	**Statistics**	**Consolidation of topics**
National Curriculum Link	Recognise that angles are a property of shape or a description of a turn. Identify acute and obtuse angles and compare and order angles up to two right angles by size (Year 4).	Describe movements between positions as translations of a given unit to the left/right and up/down. Describe positions on a 2-d grid as coordinates in the first quadrant (Year 4).	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	Assessment point.
White Rose Maths Resource Link	Angles (Link not yet available)	Position and Direction (Link not yet available)	Statistics (Link not yet available)	