

Maths – Year 3/4
(Based on White Rose Version 3)

		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	Year 3	<u>Place Value</u> Represent numbers to 100; partition numbers to 100; hundreds; represent numbers to 1000; partition numbers to 1000; flexible partitioning to 1000; hundreds, tens, ones; find 1, 10, 100 more or less; estimate on a number line to 1000; compare & order numbers to 1000; count in 50s.			<u>Addition and Subtraction</u> Apply number bonds within 10; add and subtract 1s, 10s, 100s; spot the pattern; add 1s, 10s across 10 and 100; subtract 1s, 10s across 100; add two numbers (no exchange); subtract two numbers (no exchange); add two numbers (across a 10); add two numbers (across a 100); subtract two numbers (across a 10); subtract two numbers (across a 100); add 2-digit and 3-digit numbers; subtract a 2-digit number from a 3-digit number; complements to 100; estimate answers; inverse operations.					<u>Multiplication and Division A</u> Multiplication (equal groups); use arrays; multiples of 2, 5 and 10; sharing and grouping; multiply by 3, 4, 8 ; divide by 3, 4, 8; 3, 4, 8 times table.			
	Year 4	<u>Place Value</u> Represent numbers to 1000; partition numbers to 1000; thousands; represent numbers to 10,000; partition numbers to 10,000; flexible partitioning to 10,000; find 1, 10, 100, 1000 more or less; estimate a number on a number line to 10,000; compare & order numbers to 10,000; Roman numerals; round to 10, 100, 1000.			<u>Addition and Subtraction</u> Add and subtract 1s, 10s, 100s and 1000s; add up to two 4-digit numbers (no exchange); add two 4-digit numbers (one exchange); add two 4-digit numbers (more than one exchange); subtract two 4-digit numbers (no exchange); subtract two 4-digit numbers (one exchange); subtract two 4-digit numbers (more than one exchange); efficient subtraction; estimate answers; checking strategies; number bonds to 100 .					<u>Multiplication and Division A</u> Multiples of 3; multiply and divide by 6, 9, 7, 11, 12 ; multiply by 1 and 0; divide by 1 and itself; multiply three numbers.			
Spring	Year 3	<u>Multiplication and Division B</u> Multiples of 10; multiply a 2-digit number by a 1-digit number (no exchange); multiply a 2-digit number by a 1-digit number (with exchanging); divide a 2-digit number by a 1-digit number (no exchange); divide a 2-digit number by a 1-digit number (flexible partitioning; divide a 2-digit number by a 1-digit number (with remainders); scaling.			<u>Length and Perimeter</u> Measure in metres, cm, mm; equivalent lengths – metres and cm, cm and mm; compare lengths; add lengths; subtract lengths; measure perimeter; calculate perimeter.			<u>Fractions A</u> Understand the denominators of unit fractions; compare and order unit fractions; understand the numerators of non-unit fractions; understand the whole; compare and order non-unit fractions; fractions on a number line; count in fractions on a number line; equivalent fractions on a number line; equivalent fractions as bar models.			<u>Fractions B</u> Add fractions; subtract fractions; partition the whole; unit fractions and non-unit fractions of a set of objects;		
	Year 4	<u>Multiplication and Division B</u> Factor pairs, multiply and divide by 10, 100 ; related facts (multiplication and division); informal written methods for multiplication; multiply and divide a 2-digit number by a 1-digit number; ; multiply and divide a 3-digit number by a 1-digit number			<u>Length and Perimeter. Area.</u> Measure in km and metres; equivalent lengths (km and metres); perimeter on a grid; perimeter of a rectangle; perimeter of rectilinear shapes; find missing lengths in rectilinear shapes; perimeter of regular polygons. Area – count squares; make shapes; compare areas.			<u>Fractions</u> Understand the whole; count beyond 1; partition a mixed number; compare and order mixed numbers; understand improper fractions; convert improper fractions to mixed numbers; equivalent fractions families; add two or more fractions; add fractions and mixed numbers; subtract two fractions; subtract from whole amounts; subtract from mixed numbers.				<u>Position & Direction</u> Co-ordinates; plot co-ordinates; draw 2D shapes on a grid; translate on a grid; describe translation on a grid.	
Summer	Year 3	<u>Mass and Capacity</u> Use scales; measure mass in grams, kg; equivalent masses (kg and g) ; compare mass; ass and subtract mass; measure capacity and volume in ml and litres; equivalent capacities and volumes (litres and ml) ; add and subtract capacity and volume.			<u>Consolidation</u>		<u>Time</u> Roman numerals to 12; tell the time to 5 minutes, to the minute ; read time on a digital clock; use am and pm years, months and days; days and hours; hours and minutes – use start and end times, use durations; minutes and seconds; units of time.		<u>Shape</u> Turns and angles; right angles; compare, measure and draw angles; horizontal and vertical; parallel and perpendicular; recognise and describe 2D shapes; draw polygons; recognise and describe 3D shapes; make 3D shapes.		<u>Statistics</u> Interpret and draw pictograms; interpret and draw bar charts; collect and represent data; two-way tables.		<u>Money</u> Pounds and pence; convert £ p; add & subtract money; find change.
	Year 4	<u>Decimals A</u> Tenths as fractions and decimals ; tenths on a number line; divide a 1-digit and 2-digit number by 10; hundredths as fractions and decimals ; divide a 1- or 2-digit number by 100.			<u>Decimals B</u> Make a whole with tenths, hundredths; partition decimals; flexibly partition decimals; compare & order decimals; round to the nearest whole number; halves and quarters as decimals .		<u>Time</u> Years, months, weeks and days; hours, minutes, seconds; convert between analogue and digital times; convert to the 24-hour clock; convert from the 24-hour clock.		<u>Shape</u> Understand angles as turns; identify, compare and order angles; triangles; quadrilaterals; polygons; lines of symmetry; complete a symmetric figure		<u>Statistics</u> Interpret charts; comparison, sum and difference; interpret line graphs; draw line graphs.		<u>Money</u> Write money using decimals; convert £ & p; compare, estimate & calc amounts; solve money problems.