



Glenthorne Community Primary School

Maths overview 2021-2022

Year 3/4



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	Number: Place Value				Number: Addition and Subtraction				Number: Multiplication and Division				Consolidation and termly testing	
Spring	Number: Multiplication and Division		Measurement: Length, Perimeter and Area		Number: Fractions				Y3: Measurement: Mass and Capacity Y4: Number: Decimals		Consolidation and termly testing			
Summer	Number: Decimals (including money)			Measurement: Time		Statistics		Geometry: Properties of Shape (including Y4 Position and Direction)			Consolidation and termly testing			

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Autumn	Spring	Summer
Number: Place Value Theme 1 - Roman numerals ➤ Roman numerals Theme 2 - Counting ➤ Hundreds ➤ Count in 50s ➤ Count in 1000s ➤ Count in 25s Theme 3 - Representing numbers ➤ Numbers to 1,000 ➤ 100s, 10s and 1s ➤ Number line to 1,000 ➤ 1000s, 100s, 10s and 1s ➤ Partitioning ➤ Number line to 10,000 Theme 4 - Find more or less ➤ 1, 10, 100 more or less ➤ 1,000 more or less Theme 5 - Rounding ➤ Round to the nearest 10 ➤ Round to the nearest 100 ➤ Round to the nearest 1,000 Theme 6 - Compare and order ➤ Compare objects ➤ Compare numbers	Number: Multiplication and Division Theme 1 - Multiplication ➤ Multiply 2-digits by a 1-digit ➤ Written methods ➤ Multiply 2-digits by a 1-digit ➤ Multiply 3-digits by a 1-digit Theme 2 - Division ➤ Divide 2-digits by a 1-digit ➤ Divide 2-digits by a 1-digit ➤ Divide 3-digits by a 1-digit Theme 3 - Scaling ➤ Scaling Theme 4 - Correspondence ➤ How many ways? ➤ Correspondence problems Measurements: Length, Perimeter and Area Theme 1 - Measure length ➤ Measure length Theme 2 - Equivalent lengths ➤ Equivalent lengths (m and cm) ➤ Equivalent lengths (mm and cm) ➤ Compare lengths ➤ Kilometres Theme 3 - Add and subtract lengths ➤ Add lengths	Number: Decimals (including money) Theme 1 - Decimals ➤ Make a whole ➤ Write decimals ➤ Compare decimals ➤ Order decimals ➤ Round decimals ➤ Halves and quarters Theme 2 - Writing and comparing money ➤ Pounds and pence ➤ Convert pounds and pence ➤ Pounds and pence ➤ Ordering money Theme 3 - Estimate money ➤ Estimating money Theme 4 - Calculating with money ➤ Add money ➤ Subtract money ➤ Give change ➤ Four operations

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<ul style="list-style-type: none"> ➤ Order numbers ➤ Compare 4-digit numbers ➤ Order numbers Theme 7 - Negative numbers <ul style="list-style-type: none"> ➤ Negative numbers 	<ul style="list-style-type: none"> ➤ Subtract lengths Theme 4 - Perimeter <ul style="list-style-type: none"> ➤ Measure perimeter ➤ Calculate perimeter ➤ Perimeter on a grid ➤ Perimeter of a rectangle ➤ Perimeter of rectilinear shapes Theme 4 - Area <ul style="list-style-type: none"> ➤ What is area? ➤ Counting squares ➤ Making shapes ➤ Comparing area 	
Number: Addition and Subtraction Theme 1 - Add and subtract multiples <ul style="list-style-type: none"> ➤ Add and subtract multiples of 100 ➤ 3-digit and 1-digit numbers ➤ 3-digit and 2-digit numbers ➤ Add and subtract 100s ➤ Pattern spotting ➤ 1s, 10s, 100s and 1,000s Theme 2 - Addition - Adding more <ul style="list-style-type: none"> ➤ Add 3-digit and 1-digit numbers ➤ Add 3-digit and 2-digit numbers ➤ 2-digit and 3-digit numbers ➤ Add 2-digit and 3-digit numbers ➤ Add two 3-digit numbers ➤ Add two 4-digit numbers Theme 3 - Subtraction	Number: Fractions Theme 1 - Recognising fractions <ul style="list-style-type: none"> ➤ Unit and non-unit fractions ➤ Making the whole ➤ Fractions on a number line ➤ What is fraction? ➤ Fractions greater than 1 ➤ Count in fractions Theme 2 - Equivalent fractions <ul style="list-style-type: none"> ➤ Equivalent fractions ➤ Equivalent fractions Theme 3 - Compare and order <ul style="list-style-type: none"> ➤ Compare fractions ➤ Order fractions Theme 4 - Fractions of an amount <ul style="list-style-type: none"> ➤ Fraction of an amount 	Measurement: Time Theme 1 - Converting time <ul style="list-style-type: none"> ➤ Months and years ➤ Hours in a day ➤ Hours, minutes and seconds ➤ Years, months, weeks and days Theme 2 - Analogue time <ul style="list-style-type: none"> ➤ Telling the time Theme 3 - Digital time <ul style="list-style-type: none"> ➤ Using a.m. and p.m. ➤ 24-hour clock ➤ Analogue to digital - 12 hours ➤ Analogue to digital - 24 hours Theme 4 - Finding and comparing durations <ul style="list-style-type: none"> ➤ Finding the duration ➤ Comparing the duration

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<ul style="list-style-type: none"> ➤ Subtract 1-digit from 3-digit ➤ Subtract 2-digit from 3-digit ➤ Subtract 2-digits from 3-digits ➤ Subtract 3-digits from 3-digits ➤ Subtract two 4-digit numbers ➤ Efficient subtraction <p>Theme 4 - Estimate and check</p> <ul style="list-style-type: none"> ➤ Estimate answers ➤ Check answers ➤ Checking strategies 	<ul style="list-style-type: none"> ➤ Fractions of a quantity ➤ Calculate quantities <p>Theme 5 - Add and subtract</p> <ul style="list-style-type: none"> ➤ Add fractions ➤ Subtract fractions ➤ Add 2 or more fractions ➤ Subtract 2 fractions ➤ Subtract from whole amounts 	<ul style="list-style-type: none"> ➤ Start and end times ➤ Measuring time in seconds <p>Statistics</p> <p>Theme 1 - Pictograms</p> <ul style="list-style-type: none"> ➤ Pictograms <p>Theme 2: Bar charts</p> <ul style="list-style-type: none"> ➤ Bar charts ➤ Interpret charts ➤ Comparison, sum and difference <p>Theme 3: Tables</p> <ul style="list-style-type: none"> ➤ Tables <p>Theme 4: Line graphs</p> <ul style="list-style-type: none"> ➤ Introducing line graphs ➤ Line graphs
<p>Number: Multiplication and Division</p> <p>Theme 1 - Equal groups</p> <ul style="list-style-type: none"> ➤ Multiplication - Equal groups <p>Theme 2 - Times tables</p> <ul style="list-style-type: none"> ➤ Multiply by 3 ➤ Divide by 3 ➤ The 3 times table ➤ Multiply by 4 ➤ Divide by 4 ➤ The 4 times table ➤ Multiply by 8 	<p>Year 3 - Measurement: Mass and capacity</p> <p>Year 4 - Number: Decimals</p> <p>Theme 1 - Tenths</p> <ul style="list-style-type: none"> ➤ Tenths ➤ Count in tenths ➤ Tenths as decimals ➤ Tenths and hundredths ➤ Tenths as decimals ➤ Tenths on a place value grid ➤ Tenths on a number line <p>Year 3 - Mass and capacity</p> <ul style="list-style-type: none"> ➤ Measure mass 	<p>Geometry: Properties of shape (including Y4 position and direction)</p> <p>Theme 1: Angles</p> <ul style="list-style-type: none"> ➤ Turns and angles ➤ Right angles in shapes ➤ Compare angles ➤ Identify angles ➤ Compare and order angles <p>Theme 2: Lines</p> <ul style="list-style-type: none"> ➤ Draw accurately ➤ Horizontal and vertical ➤ Parallel and perpendicular

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<ul style="list-style-type: none"> ➤ Divide by 8 ➤ The 8 times table ➤ Multiply and divide by 6 ➤ 6 times table and division facts ➤ Multiply and divide by 9 ➤ 9 times table and division facts ➤ Multiply and divide by 7 ➤ 7 times table and division facts ➤ 11 and 12 times tables <p>Theme 3 – Multiplying and dividing by 10, 100, 1 and 0</p> <ul style="list-style-type: none"> ➤ Multiply by 10 ➤ Multiply by 100 ➤ Divide by 10 ➤ Divide by 100 ➤ Multiply by 1 and 0 ➤ Divide by 1 <p>Theme 4 – Comparing and applying</p> <ul style="list-style-type: none"> ➤ Comparing statements ➤ Related calculations ➤ Multiply 3 numbers ➤ Efficient multiplication <p>Theme 5 – Factors</p> <ul style="list-style-type: none"> ➤ Factor pairs 	<ul style="list-style-type: none"> ➤ Compare mass ➤ Add and subtract mass ➤ Measure capacity ➤ Compare capacities ➤ Add and subtract capacity <p>Year 4 – Decimals</p> <ul style="list-style-type: none"> ➤ Divide 1-digit by 10 ➤ Divide 2-digits by 10 ➤ Hundredths ➤ Hundredths as decimals ➤ Hundredths on a place value grid ➤ Divide 1 or 2-digits by 100 	<p>Theme 3: 2-D shapes</p> <ul style="list-style-type: none"> ➤ 2-D shapes ➤ Triangles ➤ Quadrilaterals <p>Theme 3: 3-D shapes</p> <ul style="list-style-type: none"> ➤ 3-D shapes ➤ Construct 3-D shapes <p>Theme 5: Symmetry</p> <ul style="list-style-type: none"> ➤ Lines of symmetry ➤ Symmetric figures <p>Theme 6: Co-ordinates</p> <ul style="list-style-type: none"> ➤ Describe position ➤ Draw on a grid ➤ Move on a grid ➤ Describe movement
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