

Maths Medium-Term Plan 2024-2025: Year 4

Autumn Term – 14 weeks					
	Place Value 4 weeks	Addition and Subtraction 3 weeks	Statistics 1 week	Multiplication and Division 4 weeks	Position and direction 1 week
Small Steps	Represent numbers to 1,000 Partition numbers to 1,000 Number line to 1,000 Thousands Represent numbers to 10,000 Partition numbers to 10,000 Flexible partitioning of numbers to 10,000 PV PS Lesson Find 1, 10, 100, 1,000 more or less Compare two numbers using $< > =$ Order sets of numbers Order/compare PS Lesson Assessment 2 Round to the nearest 10 Round to the nearest 100 Round to the nearest 1,000 Rounding PS Lesson Assessment 8	Add and subtract 1s, 10s, 100s and 1,000s 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 Add PS Lesson Subtract two 4 -digit numbers no exchange Subtract two 4 -digit numbers one exchange Subtract two 4 -digit numbers more than one exchange Subtract PS Lesson Efficient subtraction Estimate answers Checking strategies Add & Subtract PS Lesson Assessment 3	interpret bar charts comparison questions sum questions difference questions introducing line graphs interpret line graphs Data PS Lesson Assessment 25	Factor pairs Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication and division Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number Divide a 3-digit number by 1 digit number Efficient multiplication Multiplication and division PS Lesson Assessment 5	Describe positions using coordinates Plot coordinates Draw 2d shapes on a grid Translate on a grid Describe translation PS Lesson Assessment 23/24
National Curriculum	<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations Count in multiples of 6, 7, 9, 25 and 1,000 Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens and ones) Find 1,000 more or less than a given number Order and compare numbers beyond 1,000 Round any number to the nearest 10, 100 or 1,000 	<ul style="list-style-type: none"> Add and subtract numbers with up to four digits using the formal written methods of columnar addition and subtraction where appropriate Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why Estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 	<ul style="list-style-type: none"> Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 (Y5) Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout Use place value, known and derived facts to multiply and divide mentally 	<ul style="list-style-type: none"> Describe position using coordinates Plot coordinates Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid

Spring Term – 12 weeks

	Fractions 4 weeks	Decimals 5 weeks	Shape 2 weeks
Small Steps	Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers equivalent fractions on a number line add 2 or more fractions add fractions and mixed numbers subtract two fractions Subtract from the whole Subtract from mixed numbers PS Lesson Assessment 13	Tenths as fractions Tenths as decimals Tenths on PV chart Tenths on numberlines Hundredths as fractions Hundredth as decimals Hundredth on PV chart Hundredth on numberlines Divide one digit number by 10 Divide two digit number by 10 Divide one digit number by 100 Divide two digit number by 100 Make a whole with tenths Make a whole with hundredths Partition decimals Compare decimals Order decimals Round decimals with 1dp to nearest whole PS Lesson Assessment 12	identify angles compare angles order angles triangles quadrilaterals PS Lesson Assessment 21 lines of symmetry complete symmetrical fig PS Lesson Assessment 22
National Curriculum	<ul style="list-style-type: none"> Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Y3) Recognise and show, using diagrams, families of common equivalent fractions Add and subtract fractions with the same denominator 	<ul style="list-style-type: none"> Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3) Recognise and write decimal equivalents of any number of tenths or hundredths Compare numbers with the same number of decimal places up to 2 decimal places Find the effect of dividing a 1- or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Recognise and show, using diagrams, families of common equivalent fractions Recognise and write decimal equivalents of any number of tenths or hundredths Solve simple measure and money problems involving fractions and decimals to 2 decimal places Compare numbers with the same number of decimal places up to 2 decimal places Round decimals with 1 decimal place to the nearest whole number Recognise and write decimal equivalents to $1/4$, $1/2$ and $3/4$ 	<ul style="list-style-type: none"> Recognise angles as a property of shape or a description of a turn (Y3) Identify acute and obtuse angles and compare and order angles up to two right angles by size Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry

Summer Term – 10 weeks

	Measurement and Length Week 2	Area 1 week	Money 3 weeks	Time 2 weeks
Small Steps	Equivalent lengths: km and m perimeter on a grid perimeter of a rectangle perimeter of rectilinear shapes – no missing values perimeter of rectilinear shapes – missing values Perimeter of polygons Perimeter PS Lesson	What is area? Count squares Make shapes Compare area Area PS Lesson Assessment 18	Write money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money – link addition and subtractions skills Money PS Lesson Assessment 19	Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital Convert to 24 hour Convert from 24 hour PS Lesson Assessment 20
National Curriculum	<ul style="list-style-type: none"> Convert between different units of measure [for example, kilometre to metre; hour to minute] Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres 	Find the area of rectilinear shapes by counting squares	<ul style="list-style-type: none"> Estimate, compare and calculate different measures, including money in pounds and pence 	<ul style="list-style-type: none"> 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 Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days Read, write and convert time between analogue and digital 12- and 24-hour clocks