Marton Manor
Maths Medium-Term Plan & Small Steps: Year 4
Autumn Term

	Place Value	Addition & Subtraction	Length & Perimeter	Multiplication & Division	Area
	4 weeks	4 weeks	2 weeks	4 weeks	1 week
National Curriculum	• 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	• 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	• 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	• 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	• Find the area of rectilinear shapes by counting squares
Small Steps	Step 1 Represent numbers to 1,000 Step 2 Partition numbers to 1,000 Step 3 Number line to 1,000 Step 4 Thousands Step 5 Represent numbers to 10,000 Step 6 Partition numbers to 10,000 Step 7 Flexible partitioning of numbers to 10,000 Step 8 Find 1, 10, 100, 1,000 more or less Step 9 Number line to 10,000 Step 10 Estimate on a number line to 10,000 Step 11 Compare numbers to 10,000 Step 12 Order numbers to 10,000 **PS Lesson** **Assessment 2: Pause & Stretch** Step 13 Roman numerals Step 14 Round to the nearest 10 Step 15 Round to the nearest 100 Step 16 Round to the nearest 1,000 Step 17 Round to the nearest 10, 100 or 1,000 **PS Lesson** **Assessment 8: Pause & Stretch**	**Step 1** Add and subtract 1s, 10s, 100s and 1,000s **Step 2** Add up to two 4-digit numbers – no exchange **Step 3** Add two 4-digit numbers – one exchange **Step 4** Add two 4-digit numbers – more than one exchange **Step 5** Subtract two 4-digit numbers – no exchange **Step 6** Subtract two 4-digit numbers – one exchange **Step 7** Subtract two 4-digit numbers – more than one exchange **Step 8** Efficient subtraction **Step 9** Estimate answers **Step 10** Checking strategies **PS Lesson** **Assessment 3: Pause & Stretch**	**Step 1** Measure in kilometres and metres **Step 2** Equivalent lengths (kilometres and metres) **Step 3** Perimeter on a grid **Step 4** Perimeter of a rectangle **Step 5** Perimeter of rectilinear shapes **Step 6** Find missing lengths in rectilinear shapes **Step 7** Calculate perimeter of rectilinear shapes **Step 8** Perimeter of regular polygons **Step 9** Perimeter of polygons **PS Lesson** **Assessment 18: Pause & Stretch**	Step 1 Factor pairs Step 2 Use factor pairs Step 3 Multiply by 10 Step 4 Multiply by 100 Step 5 Divide by 10 Step 6 Divide by 100 Step 7 Related facts – multiplication and division Step 8 Informal written methods for multiplication Step 9 Multiply a 2-digit number by a 1-digit number Step 10 Multiply a 3-digit number by a 1-digit number Step 11 Divide a 2-digit number by a 1-digit number (1) Step 12 Divide a 2-digit number by a 1-digit number (2) Step 13 Divide a 3-digit number by a 1-digit number Step 14 Correspondence problems Step 15 Efficient multiplication **PS Lesson** **Assessment 5: Pause & Stretch**	Step 1 What is area? Step 2 Count squares Step 3 Make shapes Step 4 Compare areas **PS Lesson**
Enrichment	Block Opener/Assembly on Careers linked to unit	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (16-20.10.23)	Block Opener/Assembly on Careers linked to unit World Statistics Day (20.10.23)	Block Opener/Assembly on Careers linked to unit WR Barvember (November)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (11-15.12.23)

Marton Manor
Maths Medium-Term Plan Small Steps: Year 4
Spring Term

	Fractions	Properties of Shape	Decimals	Money
	4 weeks	3 weeks	3 weeks	2 weeks
National Curriculum	• 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	• 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	• 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 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
Small Steps	Step 1 Understand the whole Step 2 Count beyond 1 Step 3 Partition a mixed number Step 4 Number lines with mixed numbers Step 5 Compare and order mixed numbers Step 6 Understand improper fractions Step 7 Convert mixed numbers to improper fractions Step 8 Convert improper fractions to mixed numbers Step 9 Equivalent fractions on a number line Step 10 Equivalent fraction families **PS Lesson** **Assessment 4: Pause & Stretch** Step 11 Add two or more fractions Step 12 Add fractions and mixed numbers Step 13 Subtract two fractions Step 14 Subtract from whole amounts Step 15 Subtract from mixed numbers **PS Lesson** **Assessment 13: Pause & Stretch**	1. Angles as turns and identify angles 2. Compare and order angles 3. **PS Lesson** 4. **Assessment 21: Pause & Stretch** 5. Triangles 6. Quadrilaterals 7. Lines of symmetry 8. Complete symmetric figures 9. **PS Lesson** 10. **Assessment 22: Pause & Stretch**	1. Tenths as fractions 2. Tenths as decimals 3. Tenths on PV chart 4. Tenths on numberlines 5. Hundredths as fractions 6. Hundredth as decimals 7. Hundredth on PV chart 8. Hundredth on numberlines 9. **PS Lesson** 10. **Assessment 12: Pause & Stretch** 11. Divide one digit number by 10 12. Divide two digit number by 10 13. Divide one digit number by 100 14. Divide two digit number by 100 15. **PS Lesson** 16. **Assessment 14: Pause & Stretch**	1. Angles as turns and identify angles 2. Compare and order angles 3. Triangles 4. Quadrilaterals 5. Lines of symmetry 6. Complete symmetric figures 7. **PS Lesson** 8. **Assessment 19: Pause & Stretch**
Enrichment	Block Opener/Assembly on Careers linked to unit International Puzzle Day (29.01.24)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (05-09.02.24) NSPCC Number Day (02.02.24)	Block Opener/Assembly on Careers linked to unit	Block Opener/Assembly on Careers linked to unit World Maths Day (23.03.24) Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (11-15.03.24) LET Easter Problems & Puzzles

Lingfield Education Trust
Maths Medium-Term Plan Small Steps: Year 4
Summer Term

MARTON MANOR PRIMARY SCHOOL

	Decimals	Position & Direction	Time	Statistics	NPVC Bridge
	3 weeks	2 weeks	3 weeks	2 weeks	2 weeks
National Curriculum	• 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	• 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	• 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 • Roman numerals to 100	• 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	Use this time to revisit place value and all four operations ready for next year group
Small Steps	Step 1 Make a whole with tenths Step 2 Make a whole with hundredths Step 3 Partition decimals Step 4 Flexibly partition decimals Step 5 Compare decimals Step 6 Order decimals Step 7 Round to the nearest whole number Step 8 Halves and quarters as decimals **PS Lesson** **Assessment 15: Pause & Stretch**	Step 1 Describe position using coordinates Step 2 Plot coordinates Step 3 Draw 2-D shapes on a grid Step 4 Translate on a grid Step 5 Describe translation on a grid **PS Lesson** **Assessment 23 & 24: Pause & Stretch**	Step 1 Years, months, weeks and days Step 2 Hours, minutes and seconds Step 3 Convert between analogue and digital times Step 4 Convert to the 24-hour clock Step 5 Convert from the 24-hour clock **PS Lesson** **Assessment 20: Pause & Stretch** Roman numerals **Assessment 16: Pause & Stretch**	Step 1 Interpret charts Step 2 Comparison, sum and difference Step 3 Interpret line graphs Step 4 Draw line graphs **PS Lesson** **Assessment 25: Pause & Stretch**	
Enrichment	Block Opener/Assembly on Careers linked to unit National Numeracy Day (15.05.24) Women in Maths Day (12.05.24)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (20-24.05.24) My Money Week (12-16.06.24) Alan Turing Day (23.06.24) Allow you pupils practice on the maths orienteering course this term ready for the competition next term.	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (01-05.07.24) MP Maths Orienteering Competition for all year groups (01-05.07.24)	Lingfield Education Trust maths Challenge (12.07.24)	LET Summer Problems & Puzzles