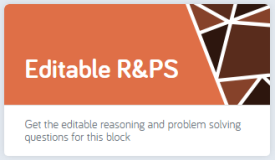




Essentials Planning		DfE core guidance	NCETM PD spine materials	Challenge
4LS1 4LS2	Place Value – Order and Compare Numbers Beyond 1000 Rounding, Estimation and Magnitude	<p>4NPV–1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</p> <p>4NPV–2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning.</p> <p>4NPV–3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p> <p>4NPV–4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.</p>	<p>Revision of year 3 place value and building on this to 10,000 https://www.ncetm.org.uk/classroom-resources/cp-year-4-unit-2-numbers-to-10-000/</p> <p>1.22 Composition and calculation: 1,000 and four-digit numbers https://www.ncetm.org.uk/classroom-resources/primm-1-22-composition-and-calculation-1-000-and-four-digit-numbers/</p>	<p>Option 1: Click on relevant White Rose link in previous column e.g. https://resources.whiterosemaths.com/resources/year-4/autumn-block-1-place-value/ and click on editable reasoning and problem solving:</p>  <p>Option 2: Recommended books:</p>
4LS3	Securing Addition and Subtraction Mental Fluency REKENREKS- See Laura			
4LS4	Securing Formal Written Addition and Subtraction Fluency		<p>Review of column addition and subtraction (yr 3-4) https://www.ncetm.org.uk/classroom-resources/cp-year-4-unit-1-review-of-column-addition-and-subtraction/</p>	
4LS5	Counting in Multiples of 6, 7, 9, Drip feed as part of daily times table practice including 3x 25 & 1000	<p>4NF–1 Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.</p>	<p>2.8 Times tables: 3, 6 and 9, and the relationship between them. https://www.ncetm.org.uk/classroom-resources/primm-2-08-times-tables-3-6-and-9-and-the-relationship-between-them/</p>	
4LS6	Multiplication and Division Facts (Times Tables) Drip feed as part of daily times table practice			

			<p>2.9 Times tables: 7 and patterns within/across times tables https://www.ncetm.org.uk/classroom-resources/primm-2-09-times-tables-7-and-patterns-within-across-times-tables/</p> <p>2.11 Times tables: 11 and 12 https://www.ncetm.org.uk/classroom-resources/primm-2-11-times-tables-11-and-12/</p>	<p>Name: _____ Class: _____</p> <p>Key Stage Two Maths</p>  <p>Year 4 Stretch</p> <p>Targeted Question Book</p> <p>An extra challenge for Year 4 pupils</p> <p>Option 3: NCETM primary assessment materials for Year 4 which have a master with greater depth column</p> <p>https://www.ncetm.org.uk/media/x45na0cs/mastery_assessment_y4.pdf</p>  <p>Option 4: NRICH– use the National Curriculum tracking</p>
4LS24	Multiply Two and Three-digit Numbers by a One-digit Number Using a Formal Written Layout			
4LS25	Divide Two and Three-digit Numbers by a One-digit Number Using a Formal Written Layout	<p>4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, for example:</p> <p>$74 \div 9 = 8 \text{ r } 2$</p> <p>and interpret remainders appropriately according to the context.</p>	<p>2.12 Division with remainders https://www.ncetm.org.uk/classroom-resources/primm-2-12-division-with-remainders/</p>	
4LS8	Problem Solving Including Measures to Apply Place Value, Mental Strategies and Arithmetic Laws	<p>4NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100), for example:</p> <p>$8 + 6 = 14$ and $14 - 6 = 8$ so $800 + 600 = 1,400$ $1,400 - 600 = 800$</p> <p>$3 \times 4 = 12$ and $12 \div 4 = 3$ so $300 \times 4 = 1,200$ $1,200 \div 4 = 300$</p>	<p>1.22 Composition and calculation: 1,000 and four-digit numbers https://www.ncetm.org.uk/classroom-resources/primm-1-22-composition-and-calculation-1-000-and-four-digit-numbers/</p>	
3LS18	Associative and Distributive law taught in year 3 –	<p>4MD–2 Manipulate multiplication and division equations, and</p>	<p>2.10 Connecting multiplication and division, and the distributive law https://www.ncetm.org.uk/classroom-</p>	

	Multiplication – Strategy, Associative and Distributive Laws	understand and apply the commutative property of multiplication.	resources/primm-2-10-connecting-multiplication-and-division-and-the-distributive-law/	document to locate relevant material https://docs.google.com/spreadsheets/d/1i6RPbZA1i0tdIDZtwBjiNtwlQE-1NcmtHYgQJdJrvDM/edit#gid=694489868
4LS9		4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.	2.13 Calculation: multiplying and dividing by 10 or 100 https://www.ncetm.org.uk/classroom-resources/primm-2-13-calculation-multiplying-and-dividing-by-10-or-100/	
4LS10	Measure – Conversion of Units	Not explicitly covered as a separate unit until year 5		
4LS11	Measures – Compare, Estimate and Calculate	5NPV–5 Convert between units of measure, including using common decimals and fractions.		
4LS12	Discrete and Continuous Data (Time Graphs), Including Application of Scales and Division			
4LS13	Perimeter			
4LS14	Properties of Shape Moved to start of Term 3			
4LS15	Symmetry Moved to start of Term 3			
4LS16	Decimal Numbers	Not covered in DfE guidance until Year 5		
4LS17	Calculating With Decimals			
4LS18	Measure – Money			
4LS19	Problem Solving involving Decimals to Two Decimal Places drip problem solving into 4LS16-18			
4LS20	Add and Subtract Fractions with the Same Denominator	4F–1 Reason about the location of mixed numbers in the linear number system.	3.5 Working across one whole: improper fractions and mixed numbers https://www.ncetm.org.uk/classroom-resources/primm-3-05-working-across-one-whole-improper-fractions-and-mixed-numbers/	
4LS21	Finding Fractions of Quantities	4F–2 Convert mixed numbers to improper fractions and vice versa.	3.5 Working across one whole: improper fractions and mixed numbers https://www.ncetm.org.uk/classroom-resources/primm-3-05-working-across-one-whole-improper-fractions-and-mixed-numbers/	
4LS22	Fractions in the Context of Measure			
4LS23	Equivalent Fractions, Ordering and Comparing	4F–3 Add and subtract improper and mixed fractions with the same	3.5 Working across one whole: improper fractions and mixed numbers https://www.ncetm.org.uk/classroom-	

		<p>denominator, including bridging whole numbers, for example:</p> $\frac{7}{5} + \frac{4}{5} = \frac{11}{5}$ $3\frac{7}{8} - \frac{2}{8} = 3\frac{5}{8}$ $7\frac{2}{5} + \frac{4}{5} = 8\frac{1}{5}$ $8\frac{1}{5} - \frac{4}{5} = 7\frac{2}{5}$	resources/primm-3-05-working-across-one-whole-improper-fractions-and-mixed-numbers/
4LS26	<p>Time – Read, Write Calculate and Convert Time on Analogue and Digital 12- and 24-Hour Clocks drip into maths meetings if short for time</p>		
4LS27	<p>Statistics – Interpret and Present Continuous and Discrete Data, Solve Problems incorporating Measures consider what can be covered in science if short for time</p>		
4LS28	<p>Roman Numerals to 100 and Zero</p>		
4LS29	<p>Negative Numbers – Counting through Zero and Calculating in Context</p>		
4LS30	<p>Geometry – Angles</p>	<p>4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.</p>	<p>2.16 Multiplicative contexts: area and perimeter 1 https://www.ncetm.org.uk/classroom-resources/primm-2-16-multiplicative-contexts-area-and-perimeter-1/</p>
		<p>4G–3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with</p>	

Year 4 Long term plan mapping document

		respect to a specified line of symmetry.	
4LS31	Geometry – Properties of Triangles		
4LS32	Geometry – Coordinates in the First Quadrant and Translations	4G–1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.	
4LS33	Geometry – Position and Direction, incorporating Angles and Plotting Points of a Shape		
4LS34	Multiplication and Division Review Leave out if run out of time		
4LS35	Area		
4LS36	Fractions Review Leave out if run out of time		
4LS37	Application and Problem Solving – Developing Operation Sense Leave out and focus on laying ground for place value in year 5 – up to 1 million.		