



Poulton Lancelyn Maths Long Term Plan Y3



2024/25

We build the Oak Trees character through our character gateways

Collaboration

Achieving through actively playing my part and supporting each other to find solutions.

Expression

Having the confidence to present myself freely and honestly. To be receptive to the thoughts and ideas of others.

Citizenship

Making a difference to my home, school, community and wider world through showing compassion curiosity and drive.

Inspiration

Being a positive role model by acting with kindness, honesty and resilience in order to motivate myself and encourage others.

Outcomes

Healthy Thinkers

Caring Citizens

Successful Learners

Knowledgeable Participants

Confident Individuals

Curious Explorers

Autumn 1 (8 Weeks)								
	Week 1 (4 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Strand	Number – number and place value				Number – addition and subtraction			
National Curriculum	<p>Review of Y2 Place Value</p> <p>Identify, represent and estimate numbers using different representations</p> <p>Count from 0 in multiples of 100</p>	<p>Read and write numbers up to 1,000 in numerals and words</p> <p>Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)</p>	<p>Identify, represent and estimate numbers using different representations, including the <u>number line</u></p> <p>Find 10 or 100 more or less than a given number</p>	<p>Compare and order numbers up to 1,000</p> <p>Count from 0 in multiples of 50</p>	<p>Add and subtract numbers <u>mentally</u>, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds</p>	<p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction</p>	<p>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction</p>	
Ready to Progress		<p>NPV–2 Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p>		<p>NPV–3 Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p>	<p>NF–1 Secure fluency in addition and subtraction facts that bridge 10, through continued practice.</p> <p>NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p> <p>AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.</p>	<p>AS–2 Add and subtract up to three-digit numbers using columnar methods.</p>		
Scheme Links	<p>PowerMaths Unit 1 L1, 2, 3</p> <p>White Rose Maths Au Block 1 S1, 2, 3, 4</p>	<p>PowerMaths Unit 1 L4, 5, 6, 7</p> <p>White Rose Maths Au Block 1 S5, 6, 7, 8</p>	<p>PowerMaths Unit 1 L8, 9</p> <p>White Rose Maths Au Block 1 S9, 10, 11</p>	<p>PowerMaths Unit 1 L10, 11, 12, 13</p> <p>White Rose Maths Au Block 1 S12, 13, 14</p>	<p>PowerMaths Unit 2 L1, 2, 3, 4, 5, 6, 7, 8, 9</p> <p>White Rose Maths Au Block 2 S1, 2, 3, 4, 5, 6, 7, 8, 9</p>	<p>PowerMaths Unit 2 L10</p> <p>White Rose Maths Au Block 2 S10</p>	<p>PowerMaths Unit 2 L11, 12, 13, 14</p> <p>White Rose Maths Au Block 2 S11, 12, 13, 14</p>	
NCETM PD Materials		<p>https://www.ncetm.org.uk/classroom-resources/primm-118-composition-and-calculation-three-digit-numbers/</p>			<p>https://www.ncetm.org.uk/classroom-resources/primm-119-securing-mental-strategies-calculation-up-to-999/</p>		<p>https://www.ncetm.org.uk/classroom-resources/primm-120-algorithms-column-addition/</p> <p>https://www.ncetm.org.uk/classroom-resources/primm-121-algorithms-column-subtraction/</p>	
Fluency Focus	<p>Recall number bonds for all numbers up to 20.</p> <p>Count in 50s and 100s.</p>							

Autumn 2 (7 Weeks)							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Strand	Number – addition and subtraction		Number – multiplication and division			Statistics	
National Curriculum	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Estimate the answer to a calculation and use inverse operations to check answers Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication and division facts for the 3 multiplication tables	Recall and use multiplication and division facts for the 4 multiplication tables	Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables	
Ready to Progress	<p>AS–2 Add and subtract up to three-digit numbers using columnar methods.</p> <p>AS–3 Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.</p>		<p>NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.</p>				
Scheme Links	PowerMaths Unit 3 L5, 6, 7, 8, 9	PowerMaths Unit 3 L10, 11, 12, 13	PowerMaths Unit 4 L1, 2, 3, 4, 5 White Rose Maths Au Block 3 S1, 2, 3, 4, 5	PowerMaths Unit 5 L1, 2, 3 White Rose Maths Au Block 3 S6, 7, 8	PowerMaths Unit 5 L4, 5, 6 White Rose Maths Au Block 3 S9, 10, 11	PowerMaths Unit 15 L1, 2, 3, 4, 5, 6, 7 White Rose Maths Su Block 5 S1, 2, 3, 4, 5, 6	
NCETM PD Materials	https://www.ncetm.org.uk/classroom-resources/primm-120-algorithms-column-addition/ https://www.ncetm.org.uk/classroom-resources/primm-121-algorithms-column-subtraction/		https://www.ncetm.org.uk/classroom-resources/primm-207-times-tables-2-4-and-8-and-the-relationship-between-them/			https://www.ncetm.org.uk/classroom-resources/primm-208-times-tables-3-6-and-9-and-the-relationship-between-them/	
Fluency Focus	Count in 3s. Know the multiplication and division facts for the 3-times table.						

Spring 1 (6 Weeks)						
	Week 1 (4 days)	Week 2	Week 3	Week 4	Week 5	Week 6
Strand	Consolidation of Autumn Term	Number – multiplication and division		Number – multiplication and division (2-digit calculations)		
National Curriculum		Recall and use multiplication and division facts for the 8 multiplication tables	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	
Ready to Progress		NF–2 Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.		NF–3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10). MD–1 Apply known multiplication and division facts to solve contextual problems with different structures, including quotative and partitive division.		
Scheme Links		PowerMaths Unit 5 L7, 8, 9 White Rose Maths Au Block 3 S12, 13, 14, 15	PowerMaths Unit 5 L10, 11, 12, 13	PowerMaths Unit 6 L1, 2, 3, 4, 5, 6, 7, 8, 9, 10 PowerMaths Sp Block 1 S1, 2, 3, 4, 5, 6, 7, 8, 9	PowerMaths Unit 6 L11, 12, 13 PowerMaths Sp Block 1 S10, 11	
NCETM PD Materials		https://www.ncetm.org.uk/classroom-resources/primm-207-times-tables-2-4-and-8-and-the-relationship-between-them/				
Fluency Focus		Count in 4s. Know the multiplication and division facts for the 4-times table.				

Spring 2 (6 Weeks)						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Strand	Measure – length and perimeter			Number – fractions		
National Curriculum	Measure, compare, add and subtract: lengths (m/cm/mm)		Measure the perimeter of simple 2D shapes	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	Compare and order unit fractions, and fractions with the same denominators	Recognise and show, using diagrams, equivalent fractions with small denominators
Ready to Progress				F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.	F–3 Reason about the location of any fraction within 1 in the linear number system.	
Scheme Links	PowerMaths Unit 7 L1, 2, 3, 4, 5, 6, 7, 8 White Rose Maths Sp Block 2 S1, 2, 3, 4, 5, 6, 7, 8, 9		PowerMaths Unit 7 L9, 10, 11 White Rose Maths Sp Block 2 S10, 11, 12	PowerMaths Unit 8 L1, 2, 3, 4 White Rose Maths Sp Block 3 S1, 2, 3, 4	PowerMaths Unit 8 L5, 6, 7 White Rose Maths Sp Block 3 S5, 8	PowerMaths Unit 8 L8, 9, 10 White Rose Maths Sp Block 3 S9, 10
NCETM PD Materials				https://www.ncetm.org.uk/classroom-resources/primm-301-preparing-for-fractions-the-part-whole-relationship/ https://www.ncetm.org.uk/classroom-resources/primm-302-unit-fractions-identifying-representing-and-comparing/ https://www.ncetm.org.uk/classroom-resources/primm-303-non-unit-fractions-identifying-representing-and-comparing/		
Fluency Focus	Count in 8s. Know the multiplication and division facts for the 8-times table.					

Summer 1 (5 Weeks)					
	Week 1	Week 2	Week 3	Week 4	Week 5
Strand	Consolidation of Spring Term	Number – fractions		Measure – mass and capacity	
National Curriculum		Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$]	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	Measure, compare, add and subtract: mass (kg/g)	Measure, compare, add and subtract: volume/ capacity (l/ml)
Ready to Progress		F–4 Add and subtract fractions with the same denominator, within 1.	F–1 Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. F–2 Find unit fractions of quantities using known division facts (multiplication tables fluency).		
Scheme Links		PowerMaths Unit 11 L1, 2, 3, 4 White Rose Maths Su Block 1 S1, 2, 3	PowerMaths Unit 11 L5, 6, 7, 8 White Rose Maths Su Block 1 S4, 5, 6	PowerMaths Unit 9 L1, 2, 3, 4, 5, 6, 7 White Rose Maths Sp Block 4 S1, 2, 3, 4, 5, 6	PowerMaths Unit 10 L1, 2, 3, 4, 5, 6 White Rose Maths Sp Block 4 S7, 8, 9, 10, 11
NCETM PD Materials		https://www.ncetm.org.uk/classroom-resources/primm-304-adding-and-subtracting-within-one-whole/			
Fluency Focus	Count up and down in tenths. Recognise decimal equivalents of tenths.				

Summer 2 (7 Weeks)							
	Week 1 (4 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Strand	Measure – money	Measure – time			Geometry – properties of shapes		
National Curriculum	Add and subtract amounts of money to give change, using both £ and p in practical contexts	Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	Know the number of seconds in a minute and the number of days in each month, year and leap year	Compare durations of events [for example to calculate the time taken by particular events or tasks]	Recognise angles as a property of shape or a description of a turn Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines	Draw 2D shapes and make 3D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Y3 Consolidation
Ready to Progress					G–1 Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.		G–2 Draw polygons by joining marked points, and identify parallel and perpendicular sides.
Scheme Links	PowerMaths Unit 12 L1, 2, 3, 4, 5 White Rose Maths Su Block 2 S1, 2, 3, 4, 5	PowerMaths Unit 13 L1, 2, 3, 4, 5 White Rose Maths Su Block 3 S1, 2, 3, 4, 5 Oak National Academy Unit 19 L1, 2, 4, 5	PowerMaths Unit 13 L6, 7, 11 White Rose Maths Su Block 3 S6, 7, 10 Oak National Academy Unit 19 L6, 7	PowerMaths Unit 13 L8, 9, 10, 11, 12 White Rose Maths Su Block 3 S8, 9, 11, 12 Oak National Academy Unit 19 L3	PowerMaths Unit 14 L1, 2, 3 White Rose Maths Su Block 4 S1, 2, 3	PowerMaths Unit 14 L5, 6 White Rose Maths Su Block 4 S5, 6	PowerMaths Unit 14 L4, 7, 8, 9 White Rose Maths Su Block 4 S4, 8, 9, 10
NCETM PD Materials		https://www.ncetm.org.uk/classroom-resources/cp-year-3-unit-11-time/			https://www.ncetm.org.uk/classroom-resources/cp-year-3-unit-3-right-angles/	https://www.ncetm.org.uk/classroom-resources/cp-year-3-unit-10-parallel-and-perpendicular-sides-in-polygons/	
Fluency Focus	Multiply and divide 1- and 2- digit numbers by 10. Recall durations of time.						