



# YEAR 3



- Unit plans are based around the White Rose Math's scheme
- Plans are flexible and may be adapted throughout the year to meet the needs of our children
- Each term will contain four arithmetic sessions – two per half term (see lesson structure document) and one assessment week

	WEEK ONE	WEEK TWO	WEEK THREE	WEEK FOUR	WEEK FIVE	WEEK SIX	WEEK SEVEN	WEEK EIGHT
<b>AUTUMN ONE</b>	<p><b>Time:</b></p> <ul style="list-style-type: none"> <li>• Step 6: Years, months and days</li> <li>• Step 7: Days and hours</li> </ul>	<p><b>Multiplication and Division:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Multiplication – equal groups</li> <li>• Step 2: Use arrays</li> <li>• Step 3: Multiples of 2</li> <li>• Step 4: Multiples of 5 and 10</li> <li>• Step 5: Sharing and Grouping</li> </ul> <p><i>Ready to Progress: 2NPV-2</i></p>		<p><b>Multiplication and Division:</b></p> <ul style="list-style-type: none"> <li>• Step 9: Multiply by 4</li> <li>• Step 10: Divide by 4</li> <li>• Step 11: The 4 times-table</li> <li>• Step 12: Multiply by 8</li> <li>• Step 13: Divide by 8</li> <li>• Step 14: The 8 times-table</li> <li>• Step 15: The 2, 4 and 8 times-tables</li> </ul> <p><i>Ready to Progress: 3NPV-4</i></p>			<p><b>Place Value:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Represent numbers to 100</li> <li>• Step 2: Partition numbers to 100</li> <li>• Step 3: Number line to 100</li> <li>• Step 4: Hundreds</li> <li>• Step 5: Represent numbers to 1,000</li> <li>• Step 6: Partition numbers to 1,000</li> <li>• Step 7: Flexible partitioning of numbers to 1,000</li> </ul>	
<b>AUTUMN TWO</b>	<p><b>Place Value (continued):</b></p> <ul style="list-style-type: none"> <li>• Step 8: Hundreds, tens and ones</li> <li>• Step 9: Find 1, 10 or 100 more or less</li> <li>• Step 10: Number line to 1,000</li> <li>• Step 11: Estimate on a number line to 1,000</li> <li>• Step 12: Compare numbers to 1,000</li> <li>• Step 13: Order numbers to 1,000</li> <li>• Step 14: Count in 50s</li> </ul> <p><i>Ready to Progress: 3NPV-1</i> <i>Ready to Progress: 3NPV-2</i></p>	<p><b>Multiplication and Division:</b></p> <ul style="list-style-type: none"> <li>• Step 6: Multiply by 3</li> <li>• Step 7: Divide by 3</li> <li>• Step 8: The 3 times-table</li> </ul>		<p><b>Addition and Subtraction:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Apply number bonds within 10</li> <li>• Step 2: Add and subtract 1s</li> <li>• Step 3: Add and subtract 10s</li> <li>• Step 4: Add and subtract 100s</li> <li>• Step 5: Spot the pattern</li> <li>• Step 6: Add 1s across a 10</li> <li>• Step 7: Add 10s across a 100</li> <li>• Step 8: Subtract 1s across a 10</li> <li>• Step 9: Subtract 10s across a 100</li> <li>• Step 10: Make connections</li> <li>• Step 11: Add two numbers (no exchange)</li> <li>• Step 12: Subtract two numbers (no exchange)</li> <li>• Step 13: Add two numbers across a 10</li> <li>• Step 14: Add two numbers across a 100</li> <li>• Step 15: Subtract two numbers across a 10</li> <li>• Step 16: Subtract two numbers across a 100</li> <li>• Step 17: Add 2-digit and 3-digit numbers</li> <li>• Step 18: Subtract a 2-digit number from a 3-digit number</li> <li>• Step 19: Complements to 100</li> <li>• Step 20: Estimate answers</li> <li>• Step 21: Inverse operations</li> <li>• Step 22: Make decisions</li> </ul>				



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SPRING ONE	<p style="text-align: center;"><b>Shape:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Turns and angles</li> <li>• Step 2: Right angles</li> <li>• Step 3: Compare angles</li> <li>• Step 4: Measure and draw accurately</li> <li>• Step 5: Horizontal and vertical</li> <li>• Step 6: Parallel and perpendicular</li> <li>• Step 7: Recognise and describe 2D shapes</li> <li>• Step 8: Draw polygons</li> <li>• Step 9: Recognise and describe 3D shapes</li> <li>• Step 10: Make 3D shapes</li> </ul>		<p style="text-align: center;"><b>Multiplication and Division:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Multiples of 10</li> <li>• Step 2: Related calculations</li> <li>• Step 3: Reasoning about multiplication</li> <li>• Step 4: Multiply a 2-digit number by a 1-digit number (no exchange)</li> <li>• Step 5: Multiply a 2-digit number by a 1-digit number (exchange)</li> <li>• Step 6: Link multiplication and division</li> <li>• Step 7: Divide a 2-digit number by a 1-digit number (no exchange)</li> <li>• Step 8: Divide a 2-digit number by a 1-digit number (flexible partitioning)</li> <li>• Step 9: Divide a 2-digit number by a 1-digit number with remainders</li> <li>• Step 10: Scaling</li> <li>• Step 11: How many ways?</li> </ul>			<p style="text-align: center;"><b>Length and Perimeter:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Measure in meters and centimeters</li> <li>• Step 2: Measure in millimetres</li> <li>• Step 3: Measure in centimeters and millimetres</li> <li>• Step 4: Meters, centimeters and millimetres</li> </ul>
SPRING TWO	<p style="text-align: center;"><b>Length and Perimeter (continued):</b></p> <ul style="list-style-type: none"> <li>• Step 5: Equivalent lengths (m and cm)</li> <li>• Step 6: Equivalent lengths (cm and mm)</li> <li>• Step 7: Compare lengths</li> <li>• Step 8: Add lengths</li> <li>• Step 9: Subtract lengths</li> <li>• Step 10: What is perimeter?</li> <li>• Step 11: Measure perimeter</li> <li>• Step 12: Calculate perimeter</li> </ul>		<p style="text-align: center;"><b>Fractions (A):</b></p> <ul style="list-style-type: none"> <li>• Step 1: Understand the denominators of unit fractions</li> <li>• Step 2: Compare and order unit fractions</li> <li>• Step 3: Understand the numerators of non-unit fractions</li> <li>• Step 4: Understand the whole</li> <li>• Step 5: Compare and order non-unit fractions</li> <li>• Step 6: Fractions and scales</li> <li>• Step 7: Fractions on a number line</li> <li>• Step 8: Count in fractions on a number line</li> <li>• Step 9: Equivalent fractions on a number line</li> <li>• Step 10: Equivalent fractions as bar models</li> </ul>			<p style="text-align: center;"><b>Mass and Capacity:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Use scales</li> <li>• Step 2: Measure mass in grams</li> <li>• Step 3: Measure mass in kilograms and grams</li> <li>• Step 4: Equivalent masses (kilograms and grams)</li> </ul>



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- Each term will contain four arithmetic sessions – two per half term (see lesson structure document) and one assessment week
- As part of our Fullness of Life curriculum, children will complete BARCLAYS Financial Education Scheme. For Year 3, the four objectives are mapped into our maths curriculum for cross-curricular links and to support contextual learning.

	WEEK ONE	WEEK TWO	WEEK THREE	WEEK FOUR	WEEK FIVE	WEEK SIX	WEEK SEVEN
SUMMER ONE	<p><b><u>Mass and Capacity (continued):</u></b></p> <ul style="list-style-type: none"> <li>• Step 5: Compare mass</li> <li>• Step 6: Add and subtract mass</li> <li>• Step 7: Measure capacity and volume in millilitres</li> <li>• Step 8: Measure capacity and volume in litres and millilitres</li> <li>• Step 9: Equivalent capacities and volumes (litres and millilitres)</li> <li>• Step 10: Compare capacity and volume</li> <li>• Step 11: Add and subtract capacity and volume</li> </ul>		<p><b><u>Fractions (B):</u></b></p> <ul style="list-style-type: none"> <li>• Step 1: Add fractions</li> <li>• Step 2: Subtract fractions</li> <li>• Step 3: Partition the whole</li> <li>• Step 4: Unit fractions of a set of objects</li> <li>• Step 5: Non-unit fractions of a set of objects</li> <li>• Step 6: Reasoning with fractions of an amount</li> </ul>		<p><b><u>Money:</u></b></p> <ul style="list-style-type: none"> <li>• Step 1: Pounds and pence</li> <li>• Step 2: Convert pounds and pence</li> <li>• Step 3: Add money</li> <li>• Step 4: Subtract money</li> <li>• Step 5: Find change</li> </ul> <p><b><i>BARCLAYS LifeSkills: Financial Education</i></b></p> <ul style="list-style-type: none"> <li>• <b><i>Lesson 1: Counting Money</i></b></li> <li>• <b><i>Lesson 2: Using money for shopping</i></b></li> <li>• <b><i>Lesson 3: Samir's birthday budgeting challenge</i></b></li> <li>• <b><i>Lesson 4: Introducing bank accounts and digital money</i></b></li> </ul>		
SUMMER TWO	<p><b><u>Statistics:</u></b></p> <ul style="list-style-type: none"> <li>• Step 1: Interpret pictograms</li> <li>• Step 2: Draw pictograms</li> <li>• Step 3: Interpret bar charts</li> <li>• Step 4: Draw bar charts</li> <li>• Step 5: Collect and represent data</li> <li>• Step 6: Two-way tables</li> </ul>		<p><b><u>Time:</u></b></p> <ul style="list-style-type: none"> <li>• Step 1 Roman numerals to 12</li> <li>• Step 2 Tell the time to 5 minutes</li> <li>• Step 3 Tell the time to the minute</li> <li>• Step 4 Read time on a digital clock</li> <li>• Step 5 Use a.m. and p.m.</li> <li>• Step 8 Hours and minutes - use start and end times</li> <li>• Step 9 Hours and minutes - use durations</li> <li>• Step 10 Minutes and seconds</li> <li>• Step 11 Units of time</li> <li>• Step 12 Solve problems with time</li> </ul>			<h2>CONSOLIDATION</h2>	