

Year 3 Spring	2		
<ul> <li>Starter suggestic</li> <li>Count on and b number.</li> <li>Partition three- but is also 200</li> <li>Order a set of r</li> <li>Recall addition</li> <li>Recall addition</li> <li>63+37=100, 10</li> <li>State the additi</li> <li>Recall multiplic associated divis</li> <li>Describe and exin in different step</li> <li>State the multip</li> <li>Double any num</li> <li>Halve any num</li> </ul>	back in 1s, 10s or 100s from any two- or three-digit digit numbers in different ways, (e.g. $325 = 300 + 20 + 5 + 125 \text{ etc.}$ ) andom numbers to 1000. and subtraction facts for each number up to 20. and subtraction facts for 100 (e.g. $37+63 = 100$ , 0-63=37, $100-37=63$ ). on fact that links to a subtraction fact and vice versa. ation facts for 2, 3, 4, 5 and 10 times tables and derive sion facts. Attend number sequences involving counting on or back os. polication fact that links to a division fact and vice versa. mber up to 100. Itiple of 50 up to 500.	<ul> <li>Identition</li> <li>Estim</li> <li>Calcu</li> <li>Read</li> <li>Use values</li> <li>after</li> <li>Tell a clock</li> <li>Identisymr</li> <li>Identivertic</li> <li>Com</li> <li>Inter</li> </ul>	tify and describe 2-D shapes, considering sides, vertices and netry. tify and describe 3-D shapes, considering faces, edges and
	Main learning		Rationale
Week 1 2-D and 3-D shape including angles	<ul> <li>Draw 2-D shapes and describe them.</li> <li>Make 3-D shapes using modelling materials.</li> <li>Recognise 3-D shapes in different orientations and desthem.</li> <li>Recognise that angles area property of a shape or a description of a turn.</li> <li>Identify whether angles are greater than or less than a angle.</li> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> <li>Compare and sort common 2-D and 3-D shapes and evolution objects. (Year 2 objective)</li> </ul>	right reryday	Children revisit their learning of the properties of 2-D and 3-D shape, drawing and making shapes in different ways e.g. drawing 2-D shapes on dotted paper; using set squares; creating 2-D shapes by combining other shapes; creating 3-D shapes using straws and plasticine; Clixi, Polydron or other construction materials. The emphasis of the learning should be on children's accurate use of language when making, identifying, describing, comparing and sorting shapes.
Week 2 Written addition and subtraction in the context of statistics	<ul> <li>Add numbers with up to three digits, using formal writ method of columnar addition.</li> <li>Subtract numbers with up to three digits, using formal method of columnar subtraction.</li> <li>Choose an appropriate strategy to solve a calculation be upon the numbers involved (recall a known fact, calculation mentally, use a jotting, written method).</li> </ul>	written ased te	Children further develop their understanding of addition and subtraction. Rehearsing the processes involved in written methods and exploring their relationship when solving missing number problems. The calculation problems are within the context of handling data.
	<ul> <li>Understand and use take away and difference for subtradeciding on the most efficient method for the numbers involved, irrespective of context.</li> <li>Estimate the answer to a calculation and use inverse operations to check the answers.</li> <li>Solve problems, including missing number problems, unumber facts, place value, and more complex addition subtraction.</li> <li>Solve one-step and two-step questions such as 'How r more?' and 'How many fewer?' using information press in scaled bar charts and pictograms and tables.</li> </ul>	using and nany	Written methods should be agreed by the school and shared in the progression in written calculations policy. Efficient written methods are required to be taught by the end of Key Stage 2.
Week 3 Fractions	<ul> <li>Recognise and show, using diagrams, equivalent fractivity with small denominators.</li> <li>Add and subtract fractions with the same denominator one whole (using diagram) (for example, <sup>5</sup>/<sub>7</sub> + <sup>1</sup>/<sub>7</sub> = <sup>6</sup>/<sub>7</sub>).</li> <li>Show practically or pictorially that a fraction is one who number divided by another (for example, <sup>3</sup>/<sub>4</sub> can be interpas 3 ÷ 4).</li> <li>Compare and order unit fractions and fractions with the denominators (including on a number line).</li> <li>Solve problems involving fractions.</li> </ul>	r within le preted	Children build on their knowledge of fractions of shapes when moving into dealing with fractions as abstract numbers. When calculating and ordering fractions, children relate the fraction number to fraction shapes. Children's understanding of fractions should go beyond the 0-1 interval.



	Main learning	Rationale
Week 4 Position and direction	<ul> <li>Use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns (clockwise and anti-clockwise), and movement in a straight line. (Year 2 objective)</li> <li>Describe positions on a square grid labelled with letters and numbers.</li> </ul>	There is no additional learning for Geometry: position and direction in Year 3 so it is important that the learning from Year 2 is consolidated and the precursor learning for coordinates is in place.
Week 5 Time	<ul> <li>Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.</li> <li>Estimate and read time with increasing accuracy to the nearest minute.</li> <li>Record and compare time in terms of seconds, minutes and hours; use vocabulary such as, o'clock, a.m./p.m., morning, afternoon, noon and midnight.</li> <li>Know the number of seconds in a minute and the number of days in each month, year and leap year.</li> <li>Compare durations of events, for example to calculate the time taken by particular events or tasks.</li> <li>Solve simple problems involving passage of time.</li> </ul>	Children learn the relationships between the units of time, and other key vocabulary involving time. Children learn to tell the time (including on clocks where the numbers are Roman numerals) and on digital clocks, using 12 and 24 hour clock notation. The learning in this week requires regular revisiting through natural daily activities and routines.
Week 6 Assess and review	Assess and review week	It is useful at regular intervals for teachers to consider the learning that has taken place over a term (or half term), assess and review children's understanding of the learning and use this to inform where the children need to go next.