

St Columb Minor Ace Academy Maths Medium Term Plan – Year 3 Spring Term



Week	Curriculum Statements: Statements in purple are repeated statements from previous term	Inspire Units and Resources
<p>Week 1-2</p> <p>Addition and subtraction</p>	<ul style="list-style-type: none"> • Estimate the answer to a calculation and use inverse operations to check answers <i>e.g. $702 - 249$ is approximately $700 - 250 = 450$; check $453 + 249 = 702$ (carried over from Autumn term)</i> • Add and subtract numbers mentally, including: <ul style="list-style-type: none"> ○ a three-digit number and ones ○ a three-digit number and tens <i>e.g. $476 + 50$</i> ○ a three-digit number and hundreds. ○ <i>two-digit numbers where the answer could exceed 100</i> • Add and subtract numbers with up to three digits, using formal written methods of columnar addition • 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 <i>e.g. There are 46 boys and 58 girls in Year 3, but 12 children are away; how many Year 3 children are at school?</i> 	
<p>Week 3-5</p> <p>Multiplication and division</p>	<ul style="list-style-type: none"> • Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • <i>Develop efficient mental methods, for example, using commutativity and multiplication and division facts to derive related facts</i> • 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 <i>e.g. 34×5 or $64 \div 4$</i> • Solve problems, including missing number problems, involving multiplication and division <i>e.g. $240 = \square \times 4$</i> 	



<p>Week 6-7</p> <p>Fractions (including decimals)</p>	<ul style="list-style-type: none"> • Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • <i>Connect tenths to place value, decimal measures and to division by 10 e.g. $\frac{7}{10} = 0.7$</i> • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators <i>e.g. there are 8 marbles and three of them are red; what fraction of the marbles are red?</i> • <i>Understand the relation between unit fractions as operators (fractions of), and division by integers e.g. to find $\frac{1}{3}$, you divide by 3; to find $\frac{1}{5}$, you divide by 5</i> • Recognise and use fractions as numbers <i>on the number line</i>: unit fractions and non-unit fractions with small denominators • Recognise and show, using diagrams, equivalent fractions with small denominators • Compare and order unit fractions, and fractions with the same denominators <i>e.g. put in order $\frac{3}{8}$, $\frac{1}{8}$, $\frac{7}{8}$, $\frac{5}{8}$</i> • Solve problems that involve fractions 	
<p>Week 8</p> <p>Angles</p>	<ul style="list-style-type: none"> • Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations; and describe them • Recognise that angles are a property of shape or a description of 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 • <i>Describe the properties of shapes using accurate language, including</i> 	



	<p><i>symmetrical/not symmetrical, lengths of lines, and acute and obtuse angles e.g. sort triangles into those with an obtuse angle and those without</i></p>	
<p>Week 9-10 Measures</p>	<ul style="list-style-type: none"> • Measure, compare, add and subtract: length (m/cm/mm) mass (kg/g) <i>e.g. find 3 vegetables which weigh between 100g and 300g. Read 250g on a scale labelled every 100g. Which is heavier: 1kg 300g or 1½kg? Know the approximate mass of a book, an apple, a baby, a man...</i> • Add and subtract amounts of money to give change, using both £ and p in practical contexts <i>e.g. I have a £2 coin, two £1 coins, three 50p coins, a 20p and seven 5p coins; how much more do I need to make £10?</i> • Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour <i>digital</i> clocks • Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight • Compare durations of events, for example to calculate the time taken by particular events or tasks. • Know the number of seconds in a minute and the number of days in each month, year and leap year 	