



Anton Junior School medium Term Planning

YEAR 3		
Weeks	Domain	Y3 NC Objectives
AUTUMN TERM		
Week 1 & 2	Number & Place Value	<ul style="list-style-type: none"> Recognise the place value of each digit in the 3-digit number (hundreds, tens and ones) (Up to 1000) Identify, represent, and estimate numbers using different representations (including number-lines) Find 10 or 100 more or less than a given number Read and write numbers up to 1000 in numerals and in words Compare and order numbers up to 1000 Solve number problems and practical problems involving these ideas
Week 3 & 4	Addition and Subtraction	<ul style="list-style-type: none"> Y2: Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Y2: Compare and order numbers from zero up to 100; using $<$, $>$ and $=$ signs Y2: Read and write numbers to at least 100 in numerals and in words Add and subtract numbers mentally including: a 3-digit number and ones a 3-digit number and hundreds. Estimate the answer to a calculation and use inverse operations to check answers
	Addition and subtraction with Measurement (money)	<ul style="list-style-type: none"> Y2: Find different combinations of coins that equal the same amounts of money Know $100p = £1$; $2 \times 50p = £1$; $10 \times 10p = £1$; $5 \times 20p = £1$; $20 \times 5p = £1$; $50 \times 2p = £1$; relate to multiplication facts/ repeated addition in the context of money. Record addition and subtraction money calculations using pictorial representations such as a number-line and bar-models Add and subtract amounts of money to give change using both £ and p in practical contexts Use known and derived facts to work out change from £1 (100p)



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Week 5	Measurement (length)	<ul style="list-style-type: none">• Measure, compare, add and subtract length (m / cm)• Measure the perimeter of simple 2-D shapes
Week 6 & 7	Multiplication and division	<ul style="list-style-type: none">• Y2: Recall and use multiplication and division facts for the 2,5 and 10 multiplication tables. Represent multiplication and division facts as arrays using a grid (rather than dots) and a number-line• Recall and use multiplication and division facts for 3 and 4 multiplication tables• 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 strategies• Solve problems including missing number problems involving multiplication and division recording solutions with a range of representations to include number-lines, bar-models, and arrays.
Week 8 & 9	Fractions	<ul style="list-style-type: none">• Recognise, find and write fractions of a discrete set of objects: unit fractions (include $1/10$)• Compare and order unit fractions and fractions with the same denominators (show on a bar-model)• Count up and down in tenths; recognise that tenths arise from dividing an object into ten equal parts.• Build on the idea of 'fraction families' (Y2: $\frac{1}{2} = \frac{2}{4}$) developing halves, quarters and eighths; thirds and sixths; fifths and tenths (use a bar model or fraction wall to explore equivalence)• Count in halves, quarters and thirds on a number-line
Week 10	Geometry	<ul style="list-style-type: none">• Draw 2-D shapes and make 3-D shapes using modelling materials (include simple nets)• Identify right angles and horizontal and vertical lines.• Sort and classify using different diagrams (Carroll diagrams, Venn diagrams, decision trees).• Sort and classify using properties such as symmetry; faces, edges and vertices.



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Week 11	Place Value	<ul style="list-style-type: none"> Count from zero in multiples of 3,4,8,50 and 100 Read and write numbers up to 1000 in numerals and words Recognise the place value of each digit in a 3-digit number (100s, 10s and ones) Find 10 or 100 more or less than a given number Compare and order numbers up to 1000
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Week 12	Measurement (Length)	<ul style="list-style-type: none"> Measure and compare lengths (mm/cm/m) and mass (g/kg) Know that there are 10mm in 1 cm ; 100cm in 1m; 1000mm in 1m Derive associated facts: 50cm in $\frac{1}{2}$ m, 25cm in $\frac{1}{4}$m and 75cm in $\frac{3}{4}$ m Know that there are 1000g = 1 kg and derive associated facts: 500g = $\frac{1}{2}$ kg ; 250 g = $\frac{1}{4}$ kg ; 750 g = $\frac{3}{4}$ kg; 100g = $\frac{1}{10}$ kg Measure and compare the perimeter of simple 2-D shapes in practical contexts
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SPRING TERM

Week 1 & 2	Fractions	<ul style="list-style-type: none"> Recognise and use unit fractions as numbers (on a number-line) Recognise and show, using diagrams , equivalent fractions with small denominators (construct 'fraction families as bar models e.g. whole / half/ quarters, eighths; whole/ thirds/ sixths etc) Add and subtract fractions with the same denominator within one whole e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ (represent/ interpret using bar models and number lines) Compare and order unit fractions Solve problems that involve all of the above
Week 3	Geometry	<ul style="list-style-type: none"> Recognise angles as a property of shape Recognise that two right-angles make a half-turn Recognise that three right-angles make three-quarters of a turn and four, a complete turn Identify whether angles are greater than or less than a right angle



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Week 4 & 5	Subtraction and addition	<ul style="list-style-type: none"> Add and subtract numbers mentally including a 3-digit number and ones, 3-digit number and tens, 3-digit number and hundreds. Add and subtract numbers with up to three digits Estimate the answer to a calculation and use inverse operations to check answers Solve number problems and practical problems involving these ideas, including in the context of measurement.
Week 6	Measurement (Volume, capacity, and	<ul style="list-style-type: none"> Measure, compare, add and subtract volume/capacity (l / ml)

	scales)	
Week 7 & 8	Multiplication and division	<ul style="list-style-type: none"> Y2: Recall and use multiplication and division facts for the 2,5 and 10 multiplication tables. Represent multiplication and division facts as arrays using a grid (rather than dots) and a number-line Recall, and use multiplication and division facts for 3 , 4 and 8 multiplication tables Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, using mental strategies Solve problems including missing number problems involving multiplication and division, recording solutions with a range of representations to include number-lines, bar-models, and arrays.
Week 9	Fractions	<ul style="list-style-type: none"> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators Recognise and use fractions as numbers; unit fractions and non- unit fractions with small denominators (number-line)
Week 10 & 11	Addition and Subtraction	<ul style="list-style-type: none"> Solve problems including missing number problems, using number facts, place value and more complex addition and subtraction Interpret and present data using bar charts, pictograms, and tables Solve one-step questions such as “How many more?” and “How many fewer?” using information presented in scaled bar charts, pictograms, and tables.
	with Statistics	



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Week 12	Measurement (Time) (WR Su)	<ul style="list-style-type: none">• Tell and write the time from an analogue clock using 12 hour and 24-hour 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.• Know the number of seconds in a minute and the number of days in each month, year and leap year.
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SUMMER TERM

Week 1 & 2	Place Value https://assets.whiterosemaths.com/new-schemes/Y3%20Autumn%20Block%201%20SOL%20Place%20value.pdf	<ul style="list-style-type: none">• Count from zero in multiples of 3,4,8,50 and 100• Read and write numbers up to 1000 in numerals and words• Recognise the place value of each digit in a 3-digit number (100s, 10s and ones)
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		<ul style="list-style-type: none">• Find 10 or 100 more or less than a given number• Compare and order numbers up to 1000
Week 3& 4	Multiplication and division https://assets.whiterosemaths.com/new-schemes/Year%203%20Spring%20Block%201%20SOL%20Multiplication%20and%20division%20B.pdf	<ul style="list-style-type: none">• Y2: Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables. Represent multiplication and division facts as arrays using a grid (rather than dots) and a number-line• Recall and use multiplication and division facts for 3, 4 and 8 multiplication tables. Understand the links within and between tables facts ('one, ten, five, derive')• Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, using mental strategies• Solve problems including missing number problems involving multiplication and division, recording solutions with a range of representations to include number-lines, bar-models, and arrays.



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Week 5	Geometry (WR Su)	<ul style="list-style-type: none">Y2: Compare and sort common 2-D and 3-D shapes and everyday objects Know the names of common 3-D shapes (faces, edges and vertices)Recognise 3-D shapes in different orientations and describe themIdentify horizontal and vertical lines and pairs of perpendicular and parallel lines
Week 6 & 7	Addition and subtraction https://assets.whiterosemaths.com/new-schemes/Y3%20Autumn%20Block%202%20SOL%20Addition%20and%20subtraction.pdf	<ul style="list-style-type: none">Add and subtract numbers mentally including a three-digit numbers and ones; tens ; hundreds (348 + 4; 348 + 40; 348 = 400)Add and subtract numbers with up to three digits using a range of written strategies as appropriateEstimate the answer to a calculation and use inverse operations to check answersSolve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Week 8	Multiplication and division https://assets.whiterosemaths.com/new-schemes/Year%203%20Spring%20Block%201%20SOL%20Multiplication%20and%20division%20B.pdf	<ul style="list-style-type: none">Recall and use multiplication and division facts for the 3,4,8 multiplication tablesWrite and calculate mathematical statements for multiplication and division using the tables they know, including for two-digit numbers times one-digit numbers, using mental strategies and written strategies as appropriate (use arrays to underpin grid method)Solve problems, including missing number problems,
		involving multiplication and division, including integer scaling problems (e.g. four times as high) and correspondence problems in which m objects are connected to n objects (e.g. 3 hats and 4 coats, how many different outfits?)



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Week 9 & 10	Fractions (WR Su)	<ul style="list-style-type: none">• Recognise, find, and write fractions of a discrete set of objects (unit and non-unit fractions, small denominators)• Recognise and use fractions as numbers (unit and non-unit fractions, small denominators)• Recognise and show, using diagrams, equivalent fractions with small denominators• Add and subtract fractions with the same denominator within one whole (e.g. $5/7 + 1/7 = 6/7$)• Compare and order unit fractions• Compare and order fractions with the same denominator
Week 11 & 12	Measurement (Money) (WR Su)	<ul style="list-style-type: none">• Add and subtract amounts of money to give change, using both £ and p in practical contexts.• Solve problems involving money and budgeting in simple contexts• Tell the time from an analogue clock, including using Roman numerals I to XII, 12-hour and 24-hour clocks. Use vocabulary such as a.m./p.m., midnight, and noon• Estimate and read the time with increasing accuracy to the nearest minute• Record and compare time in terms of seconds, minutes, hours and o'clock, comparing 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.
End of Year		