

Freeland Year 4/5 Maths Curriculum Map

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value				Number: Addition and Subtraction		Number: Multiplication and Division		Fractions		Number: Decimals including Y5 percentages	
Spring	Number: Multiplication and Division		Measurement: Length, Perimeter and Area		Number: Addition and Subtraction		Fractions		Decimals including year 5 percentages and year 4 money		Measurement: Converting units of measurement	Geometry and properties of shape
Summer	Number: Addition and Subtraction		Number: Multiplication and Division		Fractions	Measurement (Time)	Decimals and Fractions		Statistics		Properties of shape(including Y4 position and coordinates	Consolidation

Freeland Math Small Steps – Autumn Term

<u>Place Value</u>	<u>Addition and Subtraction</u>	<u>Multiplication and Division</u>	<u>Fractions</u>	<u>Decimals: Including money</u>
<p><u>Year 4</u></p> <ul style="list-style-type: none"> Count in 1000's Count in 25's 1000's, 100's and 10's Partitioning Number line to 10000 1000 more/ 1000 less Compare number Roman Numerals Negative numbers Rounding <p><u>Year 5</u></p> <ul style="list-style-type: none"> Roman numerals to 1000 Numbers to 10000 Numbers to 100000 Numbers to 1 million Counting in 10's, 100's, 1000's, 10000's and millions Compare and order numbers to 10000 and 1 million Round from numbers up to 1 million Negative numbers 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Add and subtract 1, 10, 100, 1000 Add two 4 digit number Add two 4 digit numbers Add two 4 digit numbers (exchange) Subtract two 4 digit number (no exchange, one exchange, more than one exchange) Estimate answers Checking strategies <p><u>Year 5</u></p> <ul style="list-style-type: none"> Add numbers with more than 4 digits Subtract numbers with more than 4 digits Round estimate and approximate Inverse operation (addition and subtraction) 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Multiply by 10, 100 Divide by 10, 100 Multiply by 1 and 0 Divide by 1 <p><u>Year 5</u></p> <ul style="list-style-type: none"> Multiples Factors and common factors Multiply and divide by 10,100 and 1000 Prime numbers and squared numbers Multiply 4-digits by 1-digit Multiply 2-digits (area model) Multiply 2-digits by 2-digits Multiply 3-digits by 2-digits Multiply 4-digits by 2-digits 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> What is a fraction? Fractions greater than 1 Count in fractions Calculate fractions of a quantity Problem solving- calculate quantities Add two or more fractions Subtract 2 fractions Subtract from whole amounts <p><u>Year 5</u></p> <ul style="list-style-type: none"> Equivalent fractions Improper to mixed Mixed to improper Number sequences Add & subtract fractions Add fractions within 1 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Recognise tenths and hundredths Tenths as decimals Tenths on a place value grid Tenths on a number line <p><u>Year 5</u></p> <ul style="list-style-type: none"> Decimals up to 2d.p. Decimals as fractions Understand percentages Percentages as fractions and decimals Equivalent F.D.P Understand thousandths Thousandths as decimals

			<ul style="list-style-type: none"> • Add 3 or more fractions • Add fractions • Add mixed numbers 	
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Freeland Math Small Steps – Spring term				
<u>Multiplication and Division</u>	<u>Measurement</u>	<u>Addition and Subtraction Revisiting</u>	<u>Fractions Revisiting</u>	<u>Measurement Decimals: Including money</u>
<u>Year 4</u> <ul style="list-style-type: none"> • Written methods • Multiply 2-digits by 1-digit • Multiply 3-digits by 1-digit Divide 2-digits by 1-digit • Divide 2-digits by 1-digit Divide 3-digits by 1-digit 	<u>Year 4</u> <ul style="list-style-type: none"> • Kilometres • Perimeter on a grid • Perimeter of a rectangle • Perimeter of rectilinear shapes • What is area? • Counting squares 	<u>Year 4</u> <ul style="list-style-type: none"> • Add and subtract 1, 10, 100, 1000 • Add two 4 digit number • Add two 4 digit numbers • Add two 4 digit numbers (exchange) 	<u>Year 4</u> <ul style="list-style-type: none"> • What is a fraction? • Fractions greater than 1 • Count in fractions • Calculate fractions of a quantity • Problem solving- calculate quantities 	<u>Year 4</u> <ul style="list-style-type: none"> • Divide 1-digit by 10 • Divide 2-digits by 10 • Hundredths • Hundredths as decimals • Hundredths on a place value grid • Divide 1 or 2-digits by 100

<p><u>Year 5</u></p> <ul style="list-style-type: none"> • Multiply 4-digits by 1-digit • Multiply 2-digits (area model) • Multiply 2-digits by 2-digits • Multiply 3-digits by 2-digits • Multiply 4-digits by 2-digits • Squared number, cubed number, prime number 	<ul style="list-style-type: none"> • Making shapes • Comparing area <p><u>Year 5</u></p> <ul style="list-style-type: none"> • Measure perimeter • Calculate perimeter • Area of rectangle • Area of compound shape • Area of irregular shape 	<ul style="list-style-type: none"> • Subtract two 4 digit number (no exchange, one exchange, more than one exchange) • Estimate answers • Checking strategies <p><u>Year 5</u></p> <ul style="list-style-type: none"> • Add numbers with more than 4 digits • Subtract numbers with more than 4 digits • Round estimate and approximate • Inverse operation (addition and subtraction) 	<ul style="list-style-type: none"> • Add two or more fractions • Subtract 2 fractions • Subtract from whole amounts <p><u>Year 5</u></p> <ul style="list-style-type: none"> • Subtract fractions • Subtract mixed numbers • Subtract-breaking the whole • Subtract 2 mixed numbers • Fraction of an amount • Using fractions as operators 	<p><u>Year 5</u></p> <ul style="list-style-type: none"> • Adding decimals within 1 • Subtracting decimals within 1 • Complements to 1 • Compare and order • Kilograms and kilometres • Milligrams and millilitres • Metric units Imperial units • Converting units of time • Timetables <p><u>Geometry</u></p> <p><u>Year 4</u></p> <ul style="list-style-type: none"> • Describe positions on a 2D grid as a coordinate • Describe movement between positions as translation • Plot points as coordinates
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Freeland Math Small Steps – Summer term				

<u>Addition and Subtraction</u> <u>Revisiting</u>	<u>Multiplication and Division</u> <u>Revisiting</u>	<u>Fractions</u> <u>Revisiting</u>	<u>Measurement Year 3</u> <u>Decimals: Including</u> <u>money</u>	<u>Statistics</u>	<u>Properties of</u> <u>shape</u>
<p><u>Year 4</u></p> <ul style="list-style-type: none"> Add and subtract 1, 10, 100, 1000 Add two 4 digit number Add two 4 digit numbers Add two 4 digit numbers (exchange) Subtract two 4 digit number (no exchange, one exchange, more than one exchange) Estimate answers Checking strategies <p><u>Year 5</u></p> <ul style="list-style-type: none"> Roman numerals to 1000 Numbers to 10000 Numbers to 100000 Numbers to 1 million Counting in 10's, 100's, 1000's, 10000's and millions Compare and order numbers to 10000 and 1 million Round from numbers up to 1 million Negative numbers 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Written methods Multiply 2-digits by 1-digit Multiply 3-digits by 1-digit Divide 2-digits by 1-digit Divide 3-digits by 1-digit <p><u>Year 5</u></p> <ul style="list-style-type: none"> Multiples Factors and common factors Multiply and divide by 10,100 and 1000 Prime numbers and squared numbers Multiply 4-digits by 1-digit Multiply 2-digits (area model) Multiply 2-digits by 2-digits Multiply 3-digits by 2-digits Multiply 4-digits by 2-digits 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number <p><u>Year 5</u></p> <ul style="list-style-type: none"> Subtract fractions Subtract mixed numbers Subtract- breaking the whole Subtract 2 mixed numbers 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Divide 1-digit by 10 Divide 2-digits by 10 Hundredths Hundredths as decimals Hundredths on a place value grid Divide 1 or 2-digits by 100 Hours, minutes and seconds Years, months, weeks and days Analogue to digital – 12 hour Analogue to digital – 24 hour <p><u>Year 5</u></p>	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs <p><u>Year 5</u></p> <ul style="list-style-type: none"> Interpret charts Comparison, sum & difference Introducing line graphs Line graphs 	<p><u>Year 4</u></p> <ul style="list-style-type: none"> Measuring angles in degrees Measuring with a protractor (1) Measuring with a protractor (2) Drawing lines and angles accurately Calculating angles on a

		<ul style="list-style-type: none"> • Fraction of an amount • Using fractions as operators 	<ul style="list-style-type: none"> • Adding decimals within 1 • Subtracting decimals within 1 • Complements to 1 • Compare and order Kilograms and kilograms Milligrams and millilitres • Metric units Imperial units • Converting units of time Timetables 		<p>straight line</p> <ul style="list-style-type: none"> • Calculating angles around a point • Calculating lengths and angles in shapes • Regular and irregular polygons • Reasoning about 3-D shapes <p><u>Year 5</u></p>
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Retrieval Practice Highlights

Autumn	Spring	Summer
<ul style="list-style-type: none"> ● Counting in 10's, 100's, 1000's, 10000's and millions ● Add two 4 digit numbers (exchange) ● Subtract two 4 digit number (no exchange, one exchange, more than one exchange) ● Multiply and divide by 10,100 and 1000 	<ul style="list-style-type: none"> ● Multiply by 2 and 3 digits ● Divide 3 and 4 digit numbers by 1 and 2 digits ● Add and subtract fraction (whole and mixed) ● Comparing and adding and subtracting decimals 	<ul style="list-style-type: none"> ● Add and subtract 2, 3 and 4 digit numbers ● Multiply and divide by 10, 100 and 1000 ● Add and subtract decimals to 1 ● Adding and subtracting fractions