Freeland Year 5/6 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		Decimals and percentages		Measurement: Conversion of units, Perimeter, area and volume	
Spring	Number: Addition and Subtraction		Number: Multiplication and Division		Number: Decimals and Percentages		Fractions and Ratio				Year 6: Algebra	Statistics
Summer	Shape, space and measure		Geometry		SATS		Investigation and consolidation					

Although there is a structure for year 6, the teaching is much more dynamic based on regular testing results from PiXLtests. The teacher will be able to use these tests to ensure there is a forensic analysis of children's gaps. Children will be taught what they need to know to enable them to unlock deeper and

Year 6 – Yearly Overview

	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	Number- Place Value		Number- Addition, Subtraction, Multiplication and Division				Fractions				Geometry- Position and Direction	Consolidation
Spring	Number- Decimals		Number- Percentages		Number- Algebra		Measurement Converting units	Measurement Perimeter, Area and Volume		Number- Ratio		Consolidation
Summer	Geometry- Properties of Shapes		Problem solving			Statistics		Investigations				Consolidation

richer learning. This may mean that the actual teaching structure of year 6 may look different to what is being presented in this map as the teaching may follow are more fluid structure based on the class's needs and understanding.

Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Decimals: Including money and conversion of units
Year 5	**Year 5**	**Year 5**	**Year 5**	**Year 5**
• 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	• Add numbers with more than 4 digits • Subtract numbers with more than 4 digits • Round estimate and approximate • Inverse operation (addition and subtraction)	• 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	• Equivalent fractions • Improper to mixed • Mixed to improper • Number sequences • Add & subtract fractions • Add fractions within 1 • Add 3 or more fractions • Add fractions • Add mixed numbers	• Decimals up to 2d.p. • Decimals as fractions • Understand percentages • Percentages as fractions and decimals • Equivalent F.D.P • Understand thousandths • Thousandths as decimals
Year 6	**Year 6**	**Year 6**	**Year 6**	**Year 6**
• Numbers to 10 million • Compare and order any number • Round any number • Negative numbers	• Revisiting adding and subtracting whole numbers • Mental calculations and estimation	• Common multiples • Multiply 4 digit numbers by 2 digit numbers • Common factors • Primes, Square and Cubed numbers • Short division • Division using factors • Long division	• Simplify fractions • Fractions on a number line • Compare and order (denominator and numerator) • Adding and subtracting	• 3 decimal places • Decimals of fractions • Multiply and divide by 10, 100 and 1000 • Fractions as percentages • Equivalent F.D.P • Order F.D.P • Multiply decimals by integers

			fractions with different denominators • Multiply fractions by integers • Multiply fractions by fractions • Divide fractions by integers • Four rules with fractions • Fractions of an amount	• Divide decimals by integers • Division to solve problems • Fractions to decimals • Percentages of amount • Percentages missing value

Freeland Math Small Steps – Spring term				

Multiplication and Division
 	
Year 5
● 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
 	
Year 6
● Common multiples
● Multiply 4 digit numbers by 2 digit numbers
● Common factors
● Primes, Square and Cubed numbers
● Short division
● Division using factors
  Long division
	Measurement
	
	Year 5
	● Measure perimeter
	● Calculate perimeter
	● Area of rectangle
	● Area of compound shape
	● Area of irregular shape
	
	Year 6
	● Metric measures
	● Convert metric measures
	● Calculate with metric measures and Imperial measures
	● Miles and kilometres
	● Area and perimeter (focus on perimeter questions)
	● Shapes- same area
		Addition and Subtraction Revisiting
		Year 5
		● Add numbers with more than 4 digits
		● Subtract numbers with more than 4 digits
		● Round estimate and approximate
		● Inverse operation (addition and subtraction)
		
		Year 6
		● Revisiting adding and subtracting whole numbers
		● Mental calculations and estimation
		
		Ratio and proportion
		● Using ratio language
		● Ratio and fractions
		● Introducing the ratio symbol
			Fractions Revisiting
			Year 5
			
			● Subtract fractions
			● Subtract mixed numbers
			● Subtract-breaking the whole
			● Subtract 2 mixed numbers
			● Fraction of an amount
			● Using fractions as operators
			
			Year 6 - Statistics
				Decimals: Including money
				Year 5
				● 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
				
				Year 6 – Algebra
				
				● Find a rule- one step
				● Find a rule- two steps
				● Forming expressions

	• Volume- counting cubes • Volume of a cuboid • Area of a triangle • Area of a parallelogram	• Calculating ratio • Using scale factors • Calculating scale factors • Ratio and proportion problems		• Substitution • Formulae • Forming equations • Simple one-step equations • Solve two-step equations • Find pairs of values • Enumerate possibilities

Freeland Math Small Steps – Summer term

Addition and Subtraction Revisiting	Multiplication and Division Revisiting	Fractions Revisiting	Measurement Year 5 Decimals: Including money	Statistics	Properties of shape Year 5
Year 5 • 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 **Year 6 – Shape, position and direction** • Measure with a protractor • Vertically opposite angles • Angles in triangles, quadrilaterals and polygons • Nets of 3D shapes • Reflections and translation • The four quadrant	**Year 5** • 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 **Year 6 - Statistics** • Average and the mean • Circles • Interpreting different graph types	**Year 5** • Subtract fractions • Subtract mixed numbers • Subtract-breaking the whole • Subtract 2 mixed numbers • Fraction of an amount • Using fractions as operators	**Year 5** • 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	**Year 5** • Interpret charts • Comparison, sum & difference • Introducing line graphs Line graphs	**Year 5** • Identify angles • Compare angles • Triangles • Quadrilaterals • Lines of symmetry • Complete a symmetric figure

Geometry **Year 5** - Identify, describe and represent the position of a shape following a reflection or translation **Year 6** - Describe positions on a full coordinate grid - Draw and translate simple shapes on coordinate planes and reflect them on axes					

Retrieval Practice Highlights		
Autumn	Spring	Summer
- Rounding to the nearest 10,100,1000,10000 ect. - Four operations (x, ÷, - +) - Multiplying and dividing by 10, 100 and 1000 ect. - Ordering fractions	- Metric measures (cm, m, km ect.) - Adding and subtracting fractions - Multiplying and dividing fractions - Equivalent fractions, decimals and percentages - Volume, area and perimeter	- Equivalent fractions, decimals and percentages - Positional language, coordinates, translation - Angles and protractor work - Four operations