

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
	Algebraic Thinking					Place Value and Proportion						
Autumn	Sequences	Understanding and using algebraic notation		raic	•	ty and alence	Place value and ordering integers and decimals		Fraction, decimal and percentage equivalence			
	Applications of Number					Directed Number		Fractional Thinking				
Spring	·		ving problems with plication and division		Four operations with directed number		Addition and subtraction of fractions					
	Lines and Angles					Reasoning with Number						
Summer	Constructing, measuring and using geometric notation				ping ged easoning		Developing Sets number sense			numbe	me ers and oof	

WRM - Year 7 Autumn Term

• Use of calculator throughout, including informal estimation

• All revisited and extended in the next unit



Autumn 1 – Algebraic Thinking								
Week 1	Week 5	Week 6						
Describe and continue sequences in diagram and number forms, both linear and non-linear	Equality and equivalence Understanding equality a Forming and solving one Understanding equivalen Collecting like terms	e-step equations						
	Notes/Links/Interleaving			Additional Higher Content				

attainment.

This introductory unit is designed to be accessed by all students – exemplification

documents will illustrate tasks suitable for students of different levels of prior

	Autumn 2 – Place Value and Proportion								
Week 1	Week 2	Week 3	Week 4 Week 5 Week 6						
non-linear Integer place value up to Decimal place value to h Working out and using not Comparing and ordering The range and the media	undredths umber lines numbers		 Fraction, decimal and percentage equivalence Representing tenths and hundredths on diagrams and number lines Interchanging between fractions, decimals and percentages for multiples of tenths and quarters Interpreting pie charts Equivalent fractions Converting between any fraction, decimal and percentage 						
 Revisit simplifying and ed Equations with fractions, Revisit FDP equivalence Fractional sequences 	including fractional coefficien	ts	 Additional Higher Content Exploring and using standard index form Exploring fractions above one 						

WRM - Year 7 Spring Term



Spring 1 – Application of Number								
Week 1	Week 2	Week 3 Week 4 Week 5 Week 6						
and frequency trees and	ntext of perimeter, money tables ntext of perimeter, money	 Multiplication and division Multiplying by 10, 100 and 1000; unit conversions Formal methods of multiplication and division HCF and LCM Areas of triangles, rectangles and parallelograms Finding the mean Finding fractions and percentages of amounts Solving two-step equations (with and without a calculator) Introduction to the order of operations 						
Tables to include distanceRevisit roundingChoosing when to use me	Notes/Links/Interleaving visit equations and simplifyin e charts and simple timetable ental, written or calculator me revisited with negative numb	ethods	 Addition in standard form Area of a trapezium Algebraic HF/LCM Algebraic Area Improper fractions 	Additional Higher Content				
Spring 2 - Directed Number and Fractional Thinking								

Spring 2 – Directed Number and Fractional Thinking								
Week 2	Week 2	Week 3	Week 4 Week 5 Week 6					
9	ers with and without context include directed number irected number		 Adding and subtracting fractions Representing tenths and hundredths on diagrams and number lines Adding/subtracting fractions with a common denominator, including with answers above one Revisit equivalent fractions Adding and subtracting fractions with simple different denominators e.g. quarters/eighths, thirds/sixths Mixed questions e.g. ³/₄ + 0.2 					
Include inequality numberRevisit sequences, substitution			Additional Higher Content Negative square roots Add and subtract fractions with any denominators Add and subtract simple algebraic fractions					



Summer 1 – Lines and angles								
Week 1	Week 2	Week 3	Week 4 Week 5 Week 6					
Understanding and usingUnderstand parallel and	ines and angles using ruler an ; notation for lines and angles perpendicular gle, quadrilateral and other pol SSS, SAS, ASA		 Geometric Reasoning Calculating using angles at a point, angles on a straight line and vertically opposite angles Calculating missing angles in triangles and quadrilaterals 					
Forming and solving equ	Notes/Links/Interleaving evisit equations and simplifying ations in geometric settings (in last of addition and subtraction,	ncluding simplifying)	 Addition in standard form Parallel lines rules Angles in a polygon Proof of angles rules e.g. 					

Summer 2 – Reasoning with number								
Week 1	Week 2	Week 3	Week 4	Week 5 Week 6				
 Number Sense Mental arithmetic strateg Using known facts to der algebraic expressions 	gies ive other facts, including	Venn diagrams	Understanding and using set notation		Prime numbers and proof			
Revisiting FDPRevisiting expressions e.g	Notes/Links/Interleaving g. given $7n=150$ what is the	value of 21 <i>n</i> ?	Venn diagrams for HCF	Additional Higher Content and LCM				