

Lionheart Maths Year 7

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn	1. The Grammar of Algebra						2. Additive Relationships							
	Sequences	Algebra as a Language	Functions	Priority of Operations	Expressions		Place Value	Addition and Subtraction of Whole Numbers and Positive Decimals				Addition and Subtraction Involving Negative Numbers	Median and Range	
Spring	Synoptic test 1	Additive Relationships	3. Multiplicative Relationships											
	Perimeter of polygons	The Properties of Multiplication	Area, Factors and Multiples	Formal Methods of Multiplication	Priority of Operations	Models of Division & Properties of Division	Formal Methods of Division	Arithmetic Mean						
Summer	4. Geometrical Reasoning				Synoptic test 2	5. Fractions								
	Draw, Measure and Classify Angles	Find Unknown Angles	Properties of Triangles and Quadrilaterals	Symmetry and Tessellation	Fractional Thinking	Equivalence of Fractions	Multiplication and Division of Fractions	Fractions of Amounts						

Lionheart Maths Year 8

Week 1															Week 2															Week 3															Week 4															Week 5															Week 6															Week 7															Week 8															Week 9															Week 10															Week 11															Week 12															Week 13															Week 14															Week 15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Autumn	6. Percentages															7. Sets and Building Numbers															8. Describing using Algebra																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Review: converting between fractions and decimals					Developing Understanding of Percentages					Percentage of a Quantity					Find the Whole, Given the Part (Fraction, Decimal or Percentage)					Primes and Prime Factorisation					Venn Diagrams and Sets					Adding and Subtracting Fractions					Review: Negative Numbers and Inequality					Formulate and Evaluate Expressions					Linear Equations					Arithmetic (Linear) Sequences																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Spring	Synoptic test 1															9. 2-D Geometry															10. Proportional Reasoning																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Construct Triangles and Quadrilaterals					Find Unknown Angles					Conversion of Units					Area and Perimeter of Composite Figures					Area of Trapezia					Area of More Complex Shapes					Convert FDP					Percentage increase and decrease					Finding the whole given the part and the percentage					Ratio and Rate					Speed, Distance, Time					Area scale Factors																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Lionheart Maths Year 9

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15		
Autumn	13. Graphs and Proportion						14. Understanding Probability					15. Algebraic Manipulation					
	The Cartesian Plane			Direct and Inverse Proportion		Calculations with Standard Form	What is Probability		Basic Probability		Theoretical and Experimental probability		Venn diagrams		Sequences (Arithmetic and Geometric)		Algebraic manipulation
Spring	15. Algebraic Manipulation					16. 2-D Geometry Two											
	Algebraic manipulation		Changing the Subject of a Formula			Triangles and Quadrilaterals			Angles in Polygons			Construction and Loci		Congruence and Similarity			
Summer	17. Linear Equations and Inequalities					18. Geometry of Triangles											
	Construct and Solve Linear Equations and Inequalities		Graphical Solutions to Simultaneous Linear Equations			Pythagoras' Theorem		Trigonometry			The Unit Circle						

Lionheart Maths Year 10

Autumn	19a. Non-linear Algebra		20a. Number				19b. Non-linear Algebra		20b. Number	
	Review of Linear Algebra	Quadratics	Application of Existing Number Knowledge	Indices	Surds	Retrieval Week	Algebraic Fractions	Graphs	Algebraic Applications	Proportional Reasoning
Spring	20b. Number		21. Comparing Data			22. Reasoning				
	Retrieval Week	Proportional Reasoning	Construct and Interpret Statistical Diagrams	Scatter Graphs	Understand and Apply Statistics	Angle Proofs	Vectors	Algebraic Proofs		
Summer	23. Geometry				24. Probability					
	Bearings	Trigonometry and Pythagoras	Similarity and Congruency	Transformations	Retrieval Week	Listing	Experimental Probability			

Spring	26. Shape and Trigonometry					27. Number and Statistics					28. Further Algebra				
	Trigonometry (inc non-right angled)	Retrieval Week	Percentages	Correlation	Time series	Distributions	Compound Units	Functions	Gradients of Curves & Areas Under Graphs	Kinematics	Sequences	Iteration			
Autumn	25. Algebra and Geometry										26. Shape and Trigonometry				
	Using angle and shape facts to derive results	Proof in algebra and geometry (inc vectors)	Arcs and sectors	Equations of circle and tangents	Circle Theorems	Proportion	Retrieval Week	Loci and Constructions	Properties of 3-D shapes; their plans and elevations	Surface area and volume	Similar areas and volumes				