Limehurst Academy Maths Department Y7 Scheme of Learning

Mathematics Department teaching calendar Autumn term Year 7				
Half-term	Week	Unit	Notes	Mathematical content overview
Autumn 1 Year 7	1	Operations	Also use PiXL Arithmetic Resources	Adding – Ex 2.6 Maths Connect (Ext 2B Ex 8.5 Q5,6) Subtracting – Ex 16.6 Maths Connect (Ext 1R Q5) Multiplying – column or grid methods – Ex 9.4 Maths Connect (Ext to decimals if appropriate) Dividing (including decimals if appropriate) – Ex 16.7/16.8 Maths Connect.
Autumn 1 Year 7	2	Operations	Also use PiXL Arithmetic Resources	
Autumn 1 Year 7	3	Place Value and Ordering	Unit 2 Maths Connect	Place Value Multiplying and Dividing by 10, 100, 1000 Compare and Order Decimals Order Of operations
Autumn 1 Year 7	4	Place Value and Ordering	Unit 2 Maths Connect	
Autumn 1 Year 7	5	Fractions, Decimals and Percentages	Unit 4 Maths Connect	Improper fractions and mixed numbers Equivalent fractions and cancelling fractions Converting between fractions and decimals and percentages Adding and Subtracting Fractions Fractions of amounts
Autumn 1 Year 7	6	Fractions, Decimals and Percentages	Unit 4 Maths Connect	
Autumn 1 Year 7	7	Fractions, Decimals and Percentages	Unit 4 Maths Connect	
Autumn 2 Year 7	1	Percentages, Ratio and Proportion	Unit 11 Maths Connect	Convert between percentage, fraction and decimal Calculate percentage of an amount Proportion Ratio
Autumn 2 Year 7	2	Percentages, Ratio and Proportion	Unit 11 Maths Connect	
Autumn 2 Year 7	3	Percentages, Ratio and Proportion	Unit 11 Maths Connect	
Autumn 2 Year 7	4	Calculating and Measuring	Unit 9 Maths Connect	Rounding Positive and Negative numbers Multiplying methods including decimals Reading scales Converting between units of length, mass and capacity- (*Metric only*)
Autumn 2 Year 7	5	Calculating and Measuring	Unit 9 Maths Connect	
Autumn 2 Year 7	6	Expressions, Formulae and Brackets	Unit 6 Maths Connect	Using Algebra Collecting terms Substitution Expanding brackets
Autumn 2 Year 7	7	Expressions, Formulae and Brackets	Unit 6 Maths Connect	

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Mathematics Department teaching calendar Year 7					
Half-term	Week	Unit		Notes	Mathematical content overview	
Spring 1 Year 7	1	E, F & B continued		Unit 6 Maths Connect	See previous term	
	2	Linear Equations		Unit 13 Maths Connect	Simplifying Solve linear equations Forming equations Linking algebra and arithmetic Substitution Solving Simple Equations	
	3					
	4					
	5	General terms and Linear Graphs (middle and higher set)	Multiples, Factors, Primes and Powers (middle and lower set)	Unit 10 Maths Connect	n^{th} term of a sequence properties of straight line graphs	Divisibility rules Factors, Primes and Squares Co-ordinates
	6					
Spring 2 Year 7	1					
	2	Perimeter, Area and 3D shapes		Unit 3 Maths Connect	Perimeter and Length Area of rectangles and shapes made from rectangles Areas of triangles and parallelograms Extend to circles if appropriate Cubes and Cuboids	
	3					
	4					
	5	See next term				

Limehurst Academy Maths Department Y7 Scheme of Learning

		Mathematics Department teaching calendar Summer Term Year 7			
Half-term	Week	Unit	Notes	Mathematical content overview	
Summer 1 Year 7	1	Angles, Shapes and Co-ordinates	Unit 7 & Unit 12 Maths Connect	Angle notation and types Angle rules Co-ordinates	
	2				
	3	Transformations	Unit 14 Maths Connect	Reflection and Symmetry Rotation and rotational symmetry Translation Enlargement	
	4				
	5				
Summer 2 Year 7	1	Statistical Skills	Unit 5 Maths Connect	Calculating mode, median, mean and range. Mean from frequency tables Interpreting diagrams Probability	
	2				
	3	Applying Statistical Skills	Unit 15 & Unit 8 Maths Connect	(*Planning and collecting* data – *no longer needed*) Representing data Grouping Data Drawing and interpreting Pie Charts	
	4				
	5				