

Vort	Mathematics Programme of Study (2023-24)													
	Week 1	Week 2	Week 3	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
	Autumn 1 – 'Equality & Diversity'						Autumn 2 – 'Living in the Wider World'							
	Subject Area Topic - Algebraic Thinking						Subject Area Topic - Place Value & Proportion							
	1. Sequences • Describe and continue sequences in diagram and number forms, both linear and non-linear	<ul> <li>Sequences</li> <li>Describe and continue sequence</li> </ul>	machines and series of two function machines with numbers, bar models and letters.	<ul> <li>Understand Algeb</li> <li>Forming and expressions generating s</li> <li>Representin</li> </ul>	equences.	<ul> <li>7.</li> <li>Equality and E</li> <li>Understanding and fact famil</li> <li>Forming and s step equation</li> <li>Understanding equivalence.</li> <li>Collecting like</li> <li>Mid-term asset</li> </ul>	equality ies. solving one- s. g terms.	<ol> <li>2.</li> <li>Place Valu Orde</li> <li>Decimal place hundredths</li> <li>The range an median.</li> <li>Rounding to powers of 10 significant fig</li> </ol>	e value to d the positive and to 1	<ul> <li>Representing to diagrams and</li> <li>Interchanging to and percentage and quarters.</li> <li>Interpreting piese data)</li> <li>Equivalent fract</li> </ul>	Equivale enths and I number line between fra es for mult charts (us tions. ween any f	hundredths on es. actions, decimals		7. End of Term Assessmen ts
	<ul> <li>Notes/Links/Interleaving</li> <li>Use of calculator throughout, including informal estimation.</li> <li>All revisited and extended in the next unit.</li> </ul>			Additional Higher Content This introductory unit is designed to be accessed by all learners - different tasks will be determined based on prior knowledge.			<ul> <li>Notes/Links/Int</li> <li>Revisit simplific equations with negatives.</li> <li>Equations with fractions, inclificational coefficient</li> <li>Revisit FDP equivalence.</li> <li>Fractional se</li> </ul>	fying and th h luding efficients.		using stand	gher Content lard index form.	J	L	

	Spring 1 – 'The C	Spring	g 2 – 'Conflict'			
	Subject Area Topic - A	pplication of Number	Subject Area Topic – Directed Number			
	<ol> <li>2. Addition and Subtraction</li> <li>Use formal methods of addition with integers &amp; decimals.</li> <li>Solve problems in the context of perimeter, money and frequency trees and tables.</li> </ol>	<ul> <li>3. 4. 5. 6 Multiplication and Division</li> <li>Multiplying by 10, 100 and 1,000; unit conversions</li> <li>Formal methods of multiplication and division.</li> <li>HCF and LCM.</li> <li>Areas of triangles, rectangles and parallelograms.</li> <li>Finding fractions and percentages of amounts.</li> <li>Solving two-step equations (with and without a calculator)</li> <li>Introduction to the order of operations.</li> <li>Mid-term Assessments</li> </ul>	<ul> <li>without context.</li> <li>Revisit four operations to include directed number.</li> <li>Using a calculator with directed number.</li> <li>Order of operations.</li> <li>Adding/substrate with answer with answer end of the second secon</li></ul>	<ul> <li>3 4</li> <li>Adding</li> <li>Representing tenths at</li> <li>Adding/subtracting fractive with answers above of</li> <li>Revisit equivalent fraction</li> <li>Adding and subtracting e.g. quarters/eighths, fill</li> <li>Mixed questions e.g. 3</li> <li>End of Term Assessment</li> </ul>		
		Additional Higher Content Addition in standard form. Area of a trapezium. Algebraic HF/LCM. Algebraic area. Improper fractions. Health & Leisure'	<ul> <li>Include inequality number lines.</li> <li>Revisit sequences, substitution and equations.</li> <li>Add and Add and Summer</li> </ul>	Higher Conte square roots subtract fract subtract simp 2 – 'Crime & P		
	Subject Area Topic - Lines and Angles         1.       2.       3.         Drawing, Measuring and Notation         • Drawing and measuring lines and angles using ruler and protractor.         • Understanding and using notation for lines and angles         • Understand parallel and perpendicular.         • Recognise types of triangle, quadrilateral and other polygons.         • Drawing triangles given SSS, SAS, ASA.         • Drawing and interpreting pie charts.	<ul> <li>4. 5. 6. Geometric Reasoning</li> <li>Calculating using angles at a point, angles on a straight line and vertically opposite angles.</li> <li>Calculate missing angles in triangles and quadrilaterals</li> <li>Mid-term assessments</li> </ul>	<ol> <li>2.</li> <li>Number Sense</li> <li>Mental arithmetic strategies.</li> <li>Using known facts to derive other facts, including algebraic</li> <li>3.</li> <li>Sets an</li> <li>Understation set notation of the set</li></ol>			
• F	<ul> <li>Notes/Links/Interleaving</li> <li>Perimeter problems to revisit equations and simplifying.</li> <li>Forming and solving equations in geometric settings (including simplifying).</li> <li>Revisiting formal methods of addition and subtraction, including with decimals.</li> </ul>	<ul> <li>Additional Higher Content</li> <li>Addition in standard form.</li> <li>Parallel line rules.</li> <li>Angles in a polygon.</li> <li>Proof of angles rules e.g. angles in a triangle.</li> </ul>	<ul> <li>Notes/Links/Interleaving</li> <li>Revisiting FDP.</li> <li>Revisiting expressions e.g. given 7n = 150 what is the value of 21n?</li> </ul>	● Venn diag		

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ns and h fraction ve one. fraction cting fra	actions with simple different o ds/sixths. + 0.2	ator, including					
	s with any denominators. algebraic fractions.						
& Punis	shment'						
Reasonii	ng with Number						
<b>bility</b> d using	<ul> <li>5. 6.</li> <li>Prime Numbers and Proof</li> <li>Types of number, including prime</li> </ul>	7. End of Term Assessments					

Types of number, including prime factorisation. Powers and roots. Using counter example

Additional Higher Content

diagrams for HCF and LCM.

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