

## KS3 - MATHS (2025-26)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week	Week 13		Week 15						
		Aut	tumn 1 – 'E	quality &	Diversity'				Autum	n 2 – 'Livi	ng in the	Wider	World'							
	Subject Area Topic									Subject	Area Topic	э Торіс								
Order positive and negative numbers  Add and subtract directed numbers  Multiply and divide directed	Understand and use order or operations including: roots of positive integers Powers of positive integers Powers of positive integers Powers of negative	FORMUL A Substitute into worded formulae Know the difference between formula,	Solve 1 and 2 step equations using inverse operations Set up equations of	Recap angles on a line, point and vertically	types of quadrilaterals and their geometrical properties  Find missing angles in quadrilaterals	7. REVISION / TEACHER ASSESSME NT	8. GL ASSESSMEN T	1. Number – Fractions 2  Adding and Subtracti ng Fractions Apply addition and subtracti on, including formal written methods, to simple fractions, both with and without a common denomin ator (using fraction equivale nce, where necessar y)  Working with mixed numbers	Using our number system 2  Using the number system effectively Understand and use place value when calculating with decimals, understandi ng the impact of multiplying or dividing by a decimal between 0 and 1. Use know facts to derive solutions to problems Recognise and use relationships Between operations,	list of numbers or diagrammati cally. Generating sequences Generate the terms of a sequence given	Imperial conversion s Given conversion factors between metric and imperial units, convert between the two systems of measurem ent for distance, mass and volume. Opportunit y for cultural	types. Understarding how data is collected, recorded and organised Opportunit y for cultural developm ent: Discuss the recent census, its purpose and benefits when researchir	TEACHER ASSESSM ENT	ONCE PTION						

							between improper fractions and mixed numbers Apply addition, subtraction and multiplicatio n, including formal written methods, to simple fractions (proper and improper), and mixed numbers.		Describe a term to term rule and position to term rule (nth term) informally Literacy code R5 – Students should Explore where sequences appear in nature (independen t research and summarise information)	UK system measurent	rem			
Notes/Links/Interl	leaving	Additional High	er Content			r	Notes/Links/I	nterleaving		Additio	nal Higher Conten	t		
	Spring	1 – 'The Circ	cle of Life'					Spi	ring 2 – 'Con					
	l I	Subject Area T	opic		0				Subject Area T	opic				
Functions & Graphs 1  Real Life Graphs Plot and interpret graphs of non- standard functions in real contexts to find	Percentages 2 Calculating	3. Number – Number properties 2 Index notation Use positive integer powers and associated real roots (square,	4. Statistics – Statistical diagrams 2 Pie Charts Interpret and construct pie charts and know their appropriate use	REVISION /	ASSESSME	1. Geometry – Constructions 2 Construction with a pair of compasses Use the standard ruler and compass constructions Perpendicular bisector of a	Combined Enumerate combinatio	e sets and ns of sets ally, using is, and Venn heoretical	3. Probability – Probability 2 Estimating probability Understand tempirical unbiased sautend towards theoretical probability distributions,	that mples	Geometry – Measuring shapes 2  Area and perimeter Use standard units of measure for length and area and related concepts	5. REVISIO TEACHE ASSESS	N / R	6.MISC ONCE PTION S

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Students should	Convert fractions and	square	appropriate	degree angle	frequency from	Compound		
be able to plot	decimals to and from	numbers up	graphical	and use this	experiments or	shapes		
		to 225 and	representatio	method to	observations as	=		
and interpret	percentages	cube	n involving	construct an	an estimate for	Find the		
conversion	Order decimals and		discrete data			perimeter and		
graphs.	fractions.	numbers up	discrete data	equilateral	the probability	area of compound		
	Work	to 1000.		triangle.	of the occurrence	shapes made		
	interchangeably with	Prime	Algebra –	Use these to	of an event, and	from triangles and		
		Factorisation		construct given	consider its	quadrilaterals		
	terminating decimals	Use the	Methods 1	figures; know	limitations	quadrilatoralo		
	and their	concepts and		that the				
	corresponding	vocabulary of		perpendicular				
	fractions, changing	prime	Improvement	distance from a				
	these into	numbers,	mprovement	point to a line is				
	percentages.	factors	Substitute	the shortest				
	Interpret percentages							
		` ''		distance to the				
	and percentage	tiples,	values into	line				
	changes as a fraction		formulae and					
	or a decimal, and	factors,	expressions,					
	interpret these	common	including					
	multiplicatively.	multiples,	scientific					
		highest	formulae.					
		common	Round					
		factor, lowest						
		•						
		common	given degree					
		multiple,	of accuracy					
		prime	(1/2 decimal					
		factorisation,	places /					
		including	Significant					
		using product	figures)					
		notation and						
		the unique	This unit is a					
		factorisation	precursor to					
		theorem. Use	•					
		Venn	because the					
		diagrams to	technique of					
		determine	trial and					
		the LCM and	· · · · · · · · · · · · · · · · · · ·					
		HCF or 2 or	is often used					
		3 numbers.	in problem					
			solving					
			where, for					
			example, a					
			reasonable					
			approach					
			might result					
			in an					
			equation that					
			does not					
			have an					
			analytical					
			solution that					
			is accessible					
			to					
			students					
			Students					

Notes/Links/Interle	eaving	Additional High	ner Content			Notes/Links/Inte	rleaving	Additional	Higher Cor	ntent					
Subject		mer 1 – 'Hea	alth & Leisur	e'		Summer 2 – 'Crime & Punishment'  Subject Area Topic									
Subject  1. Ratio and Proportion — Ratio and proportion 2  Sharing into a given ratio Divide a given quantity into two or more parts in a given part:part or part:whole ratio Express the division of a quantity into two parts as a ratio Apply ratio to real contexts and problems (such as those involving conversion, comparison, scaling, mixing, concentrations) Embed ratio into geometric problems including those involving angles and side lengths Relate ratios to fractions  Working with proportional quantities	2. Number-Accuracy 2  Rounding to significant figures Round numbers and measures to a given number of significant figures. Solve calculation problems, then round the final answer to a given degree of accuracy. Make links between rounding to a given number of decimal places / specified integer and number of significant figures.	3.Geometry – 3D Shapes 2 Understandin g nets Identify properties of the faces, surfaces, edges and vertices of; cubes, cuboids, prisms, cylinders, pyramids, cones and spheres. Use conventional terms and notations: vertices, edges, planes Identify the 12 Pentominos and which of these are the net of an open top box. Find the surface area of a given 3D shape by considering its	4.Geometry – 3D Shapes 2  Volume and surface area of cuboids.  Use standard units of measure and related concepts (length, area, volume)  Know and apply formulae to calculate surface area and volumes of cuboids.	5. GL ASSESSME NT	6. GL ASSESSME NT	1. Number - Calculating 3  Apply multiplication & Division techniques, including formal written methods, to decimals.	2. Algebra – Algebraic Concepts 3  Use and interpret algebraic manipulation including brackets. Understand and use the concepts and	3 Geometry Properties of Shapes 2 Understan d and use alternate, compleme ntary and correspon ding angles on parallel lines.	4. Geometry — Properties of Shapes 2 Use the sum of angles in a triangle (eg to deduce and use the angle sum in	Topic  5  Algebra – Algebraic methods 2  Understand and use the concepts and vocabulary of inequalities Use the symbols <, >, ≤, and ≥  Solve linear inequalities in one variable;	6 REVISION / TEACHER ASSESSM ENT	ONS			
quantities Understand and use proportion as equality of ratios Use unitary method and ratio tables to solve problems involving direct proportion.		net. Be aware of Euler's theorem for the relationship between the number of faces, vertices and													