

## KS4 MATHS Yr10 (2025-26)

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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 14	Week			
											12			15			
		<u> </u>	 									 					
	Autumn 1 – 'Equality & Diversity'								Autum	n 2 – 'Liv	ing in th	e Wider '	World'				
	Subject Area Topic								Subject Area Topic								
	•		4			_		4 1	_				T.	<u> </u>			
1.Solving Equations	2.Simplifying harder expressions	_	4. Identities	5. Congruent triangles and	6. Solving simultaneous	7.	8.	1. Number – Fraction		3. Statistics- Statistical			6.	7.	NIC		
involving	Tiarder expressions	Formulae	Understand and	proof / Proof	equations using	REVISION / TEACHER	GL ASSESSMENT	Arithmetic	Probability		Measures of	_	REVISION	ONS	INC		
_	Simplify and		use the concepts	•	elimination,	ASSESSMENT	AGGEGGIVIEIVI	7 414 11110410	1- Basic	Diagrams	location	location	/	ONO			
	manipulate	Recognise			substitution and			F	probability		Average		ASSESS				
	algebraic		expressions,	triangles	graphically			Find		Draw and	Averages	Interpretin	MENT				
	expressions,	relationship	equations	triangles	grapincally			equivalent fractions	Probability	interpret	from	g bar					
algebraic	including the		formulae and						scale	scatter	discrete	charts,					
•	laws of indices.	operations,	identities.		Solve two			Cancelling	Probability	graphs	data	pictograms	6				
multiplying a		including	identities.		simultaneous			fractions	of an event	Draw and	Averages	and stem					
	Simplify and	inverse	Know the		equations in two			Converting	occurring	use a line of	from	and leaf					
-	manipulate	operations.	difference	triangles (SSS,				between		best fit	grouped	Moving					
	algebraic		between an	SAS, ASA, RHS)				mixed and	Interpret,		and	averages					
		Understand	equation and an		algebraically.			improper	create and	Understand	ungrouped	1					
	expanding	and use	identity; argue	' ' '	et al a construction			1 14343110 01	find	the terms	tables						
•		standard	mathematically	_	Find approximate			amounts	probabilities	•	Compare						
algebraically	binomial	mathematic	to show algebraic	congruence,	solutions to two			Multiply and	trom venn	n and	medians,						
(including those		al formulae;	expressions are	and properties	simultaneous			divide	diagrams	interpolation							
with the		rearrange	equivalent and	quadrilaterals	equations using a			fractions	Venn	Understand	standard						
unknown on		formulae to	use algebra to	7	grapii.			(including cases where	diagram	and	deviations						
both sides of			support and	to conjecture and derive	Derive two			cross	notation	describe	of data						
the equation)		1	construct	results about				cancelling is	Statistical	linear	sets (do						
			arguments.		equations, solve			necessary)	independen	correlation (	not need						
Derive an		Substitute		_	the equations and			Add and	ce and	link to	to						
equation and ,		numerical		_	interpret the	`		subtract	mutually	spearman's	calculate						
solve the		values into			solution			fractions	exclusive	rank	standard						
equation, and		formulae,		angles of an				Solve	events	correlation	deviation)						
interpret the		including		isosceles					Know the	coefficient)							
solution		scientific		triangle are				problems	formal	Identify							
		formulae		equal, and use					notation for	types of							
		L .		known results					conditional	data							
		Translate		to obtain					probability								
		simple		simple proofs.					and find								
		situations or							these from								
		procedures							Venn								
		into															
		algebraic							diagrams								
		expressions							Interpret,								
1		or formulae							create and					Ī			

								find probabilities from sample space diagrams Interpret, create and find probabilities from two way tables				
Notes/Links/Interl	eaving	Additional High	ner Content			ı	lotes/Links/I	nterleaving	Ad	ditional Higher Conte	nt	
	Spring	1 – 'The Circle of Life'				Spring 2 – 'Conflict'						
		Subject Area T	opic						Subject Area Topi	С		
Construct tree diagrams with replacement P ( A n B) = p(A) x p(B) for independent events ( AND rule) P(A) or P(b) = p(A) + P(B) ( OR rule)	statistical measures  Calculating quartiles and interquartile range  Know that when find quartiles from a list you add 1  When finding quartiles from a diagram you don't add 1  Draw and interpret box plots  Understand that interquartile range measures consistency and gives the middles 50% of values  Draw and interpret	Data Handling cycle  Know the data handling cycle  Stratified sampling  Convenience sampling  Quota sampling  Random sampling  Systematic sampling  Writing and criticising questionnaires  Know the issues when collecting data and what to	Plotting quadratic curves with a table of values Know what a cubic and reciprocal graph look like Calculate gradient of a line from a graph Find equation of a line from a graph	REVISION / TEACHER ASSESSMEN T	6. GL ASSESSMENT	1.representing and interpreting data  Construct equal width Histograms Know the difference between a histogram and a bar chart Interpret Choropleth graphs Interpret Population pyramids Be able to describe data as listed in tier 2/3 vocabulary Interpret skewness from a histogram	ratio Write a ratifraction Understand therefore x (common A question) Simplify ratio Divide into Find missir ratio	o as a d x:y = 2:3 = 2/3 y AQA exam	given area of circumference Find length of a	index en gross domestic product	5. REVISION / ASSESSMENT	6. MISCONCEPTIONS
Notes/Links/Interl	eaving	Additional High	ner Content	<u> </u>		Notes/Links/Int	erleaving		Additional High	er Content		1

	Summer 1 – 'Hea	alth & Leisur	Summer 2 – 'Crime & Punishment'										
Subject Area Topic				Subject Area Topic									
1. Number-Percentages  Write percentages as decimals Percentage of an amount Write a quantity as a percentage increase/decrease Repeated percentage change Reverse percentages	Convert large numbers into standard form Convert numbers less than 1 into standard form Add/subtract numbers in standard form Multiply/divide numbers in standard form	4. Proportion Use tables to find missing values for direct and inverse proportion Solve worded problems involving things that are directly or inversely proportion (number of workers etc) Know the graphs of direct and inverse proportion Geometry-Vectors and translations Translate an object on a grid Translate an object by a column vector Describe a translation using column vectors Describe a given vector using column vectors Multiply column vectors Multiply column vectors by a scalar Add/subtract column vectors	5. REVISION / TEACHER ASSESSMENT	1. Measure s – Compou nd units  Revise converting between metric units Convert between miles/km when conversion is given	Compound units	3. Key skill needed to access content in year 11  Factorise expression s by taking out a number Factorise by taking out a letter Factorise by taking out the HCF	skill needed to access content in year 11	REVISION / ASSESSM ENT	REVISION				

Notes/Links/Interleaving		Additional Higher Content		Not	es/Links/Interleaving	Additional Higher Content			Content	