				K	S4 (N	/laths)	Prog	ramm	ne of S	Study	(Yea	ar 11	)			
	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 1 – 'Equality & Diversity'							Autumn 2 – 'Living in the Wider World'							
			A	ingles, Bearing & Sequencing					Algebraic, Gradients, Revision & Mock							
5	<ul> <li><u>Continue</u></li> <li><u>equences and find</u></li> <li><u>and use nth term</u></li> <li>sequence</li> <li>Find missing terms in a sequence</li> <li>Use a rule to generate a sequence</li> <li>Find the nth term of a linear sequence</li> <li>Use nth term to find terms in a sequence</li> <li>Use nth term to find terms in a sequence</li> <li>Decide if a term is in a sequence</li> <li>including Fibonacci-type sequences, quadratic sequences, and simple geometric progressions</li> </ul>	Continue uences and find d use nth termFind the upper and lower bounds of numberssequenceof numbers and measures to an appropriate degree of accuracyFind missing terms in a sequence• round numbers and measures to an appropriate degree of accuracyUse a rule to generate a sequence• use inequality notation to specify simple error intervals due to truncation or roundingUse a rule to generate a sequence• use inequality notation to specify simple error intervals due to truncation or roundingUse a rule to generate a sequence• find the nth term of a linear sequenceUse nth term to find terms in a sequence• find terms in a sequenceDecide if a term is in a sequence including• fibonacci-type sequences, quadratic sequences, and simple geometric		To find missing angles using a mixture of rulesConduct trans• concepts and vocabulary of expressions, equations, formulae and identities• R ar or or ve and an identity• difference between an equation and an identity• R ar or or ve or or rc or or procedures into algebraic expressions or formulae• Translate simple situations or procedures into algebraic expressions or formulae• R ar or or ve or 		<ul> <li>Conduct and describe all four transformations</li> <li>Revise basic angle facts ( on a line, vertically opposite, round a point, in a triangle and quadrilateral)</li> <li>Find angles in parallel lines</li> <li>Interior and exterior angles of polygons</li> <li>Understand and calculate bearings</li> </ul>	<ul> <li>Use Pythagoras and right angled trigonometry</li> <li>Use Pythagoras's theorem to find missing sides in right angled triangles</li> <li>Use past exam questions with shapes involving right angles and linking to area (e.g. triangles and trapeziums)</li> <li>Use SOH CAH TOA to find missing sides and angles in right angled triangles</li> </ul>		Gradients and linesAlg• identify and interpret gradients and intercepts of linear functions graphically and algebraically lot graphs of equations that correspond to straight-line graphs in the coordinate plane•• use the form y=mx+c to identify parallel lines•• find the equation of the line through one point with a given gradient•		<ul> <li>Algebraic I</li> <li>collecti</li> <li>multiple term o</li> <li>taking factors</li> <li>simplife express sums, p powers laws of</li> <li>expand two bir</li> <li>factorise express form x2 includie different square</li> </ul>	Manipulation ing like terms lying a single ver a bracket out common ying sions involving products and s, including the findices ding products of homials sing quadratic sions of the 2+bx+c, ng the nce of two s	Revision	Mock	Feed Forward	
N To U:	lotes/Links/Interprices identified fro	<b>tes/Links/Interleaving</b> cs identified from end of year 10 QLA to be d in weekly retrievals.			Additional Higher Content Work to be differentiated in lessons to meet the needs of the student				Notes/Links/Interleaving Additional Hig Work to be differentiated in les student				Il Higher Cor in lessons to n	Higher Content lessons to meet the needs of the		
	Spring 01 'The Circle of Life'								Spring 02 'Conflict'							
	Ratio & Proportion, Quadratics & Non Ca			Non Calculato	Methods											
	Solve problems involving ratio and proportion Factorise, solve and sketch guadratics		Solve problems without a calculator													
• • • •	Simplify ratios Write in the from 1:n Convert between rat Divide into a ratio Find missing parts in Solve problems inter	implify ratios /rite in the from 1:n or n:1 onvert between ratios and fractions ivide into a ratio ind missing parts in a ratio olve problems interleaving ratio with other topics e.g.			<ul> <li>Factorise quadratics</li> <li>Solve quadratics by factorising</li> <li>Find roots of a quadratic function</li> <li>Sketch graph of a quadratic function</li> <li>Identify roots and turning points from a</li> </ul>		values cos 60 to find missing questions involving									
•	angles, perimeter etc Know graphs of inverse and direct proportion Use direct proportion			<ul> <li>Draw the graphs of a quadratic function with and without a table of</li> <li>Four operations written methods</li> <li>Decimal arithmetic</li> </ul>			written and mental									

<ul> <li>Solve problems with inverse proportion</li> </ul>	values	<ul> <li>Fraction arithmetic</li> </ul>						
Notes/Links/Interleaving	Additional Higher Content Work to be differentiated in lessons t	o meet the needs of the student	Notes/Links/Interleaving	3	Additional Higher Content			
Sum	Summer 2 – 'Crime & Punishment'							
Algebra, Numbers & Geometry								
Notes/Links/Interleaving	Additional Higher Content		Notes/Link	s/Interleaving	Additional Higher Content			