Year 11 Nurture Scheme of learning 2023-2024
Term 2

Stretch key learning in italics

Topic	Key learning	MathsWatch	☹	😐	😊
Algebraic Manipulation	Simplify expressions with more than 1 variable	33, 34			
	Expand a single bracket	134a			
	Factorise into a single bracket	94			
	Expand and simplify an expression	134a, 134b			
	Distinguish between expression, equation, formulae and identity				
Expressions and Formulae 2	Write an expression or formula for problems	137			
	Substitute negative numbers into expressions and formulae	95			
	Set up simple equations	137			
	Change the subject of a formula	136, 190			
	Derive a formula	137			
Equations 2	Solve equations involving a single bracket	100, 135a, 135b			
	Solve equations with unknowns on both sides	100, 135a, 135b			
	Solve equations with negative, decimal or fractional solutions	100, 135a, 135b			
	Formulate and solve linear equations from a problem	100, 135a, 135b			
Angles and Bearings	Recognise alternate and corresponding angles	120			
	Understand and use 3 figure bearings	124			
	Interpret distance time graphs	6b, 143			
	Interpret information e.g. average speed	143			
Sequences	Find a term in a sequence	37			
	Continue a sequence of diagram patterns	37			
	Write a term to term rule in a sequence	37			
	Generate terms in a sequence	37, 102			
	Find the nth term of a linear sequence	102			
February Half Term					
Mocks (2 weeks)					
Gap fill/ Review of papers					
Transformations	Find the scale factor of enlarged shapes	148			
	Reflect shapes in the x and y axes	48			
	Enlarge a shape by a given scale factor	148			
	Describe fully a reflection or rotation	48, 49			
	Rotate a shape using the centre other than the origin	49			
	Describe a translation using a column vector	50			
Easter					