Year 11 Nurture Scheme of learning 2023-2024

Term 2

Stretch key learning in italics

Key learning	MathsWatch	8		0
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				
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			
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			
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			
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				
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			
	Simplify expressions with more than 1 variable Expand a single bracket Factorise into a single bracket Expand and simplify an expression Distinguish between expression, equation, formulae and identity Write an expression or formula for problems Substitute negative numbers into expressions and formulae Set up simple equations Change the subject of a formula Derive a formula Solve equations involving a single bracket Solve equations with unknowns on both sides Solve equations with negative, decimal or fractional solutions Formulate and solve linear equations from a problem Recognise alternate and corresponding angles Understand and use 3 figure bearings Interpret distance time graphs Interpret information e.g. average speed Find a term in a sequence Generate terms in a sequence Find the nth term of a linear sequence Find the scale factor of enlarged shapes Reflect shapes in the x and y axes Enlarge a shape by a given scale factor Describe fully a reflection or rotation Rotate a shape using the centre other than the origin	Simplify expressions with more than 1 variable33, 34Expand a single bracket134aFactorise into a single bracket94Expand and simplify an expression134a, 134bDistinguish between expression, equation, formulae and identityWrite an expression or formula for problemsWrite an expression or formula for problems137Substitute negative numbers into expressions and formulae95Set up simple equations137Change the subject of a formula136, 190Derive a formula137Solve equations involving a single bracket100, 135a, 135bSolve equations with unknowns on both sides100, 135a, 135bSolve equations with negative, decimal or fractional solutions100, 135a, 135bSolve equations with negative, decimal or fractional solutions100, 135a, 135bVinderstand and use 3 figure bearings124Interpret distance time graphs6b, 143Interpret information e.g. average speed143Find a term in a sequence37Generate terms in a sequence37, 102Find the nth term of a linear sequence102February Half TermMocks (2 weeks)Gap fill/ Review of papersFind the scale factor of enlarged shapes148Reflect shapes in the x and y axes48Enlarge a shape by a given scale factor148Descrie fully a reflection or rotation48, 49Rotate a shape using the centre other than the origin49	Simplify expressions with more than 1 variable33, 34Expand a single bracket134aFactorise into a single bracket94Expand and simplify an expression134a, 134bDistinguish between expression, equation, formulae and identity1Write an expression or formula for problems137Substitute negative numbers into expressions and formulae95Set up simple equations137Change the subject of a formula136, 190Derive a formula137Solve equations involving a single bracket100, 135a, 135bSolve equations with unknowns on both sides100, 135a, 135bSolve equations with negative, decimal or fractional solutions100, 135a, 135bFormulate and solve linear equations from a problem100, 135a, 135bRecognise alternate and corresponding angles120Understand and use 3 figure bearings124Interpret distance time graphs6b, 143Interpret information e.g. average speed143Find a term in a sequence37Generate terms in a sequence37Generate terms in a sequence102Find the scale factor of enlarged shapes148Reflect shapes in the x and y axes48Enlarge a shape by a given scale factor148Describe fully a reflection or rotation48, 49Rotate a shape using the centre other than the origin49	Simplify expressions with more than 1 variable33, 34Expand a single bracket134aFactorise into a single bracket94Expand and simplify an expression134a, 134bDistinguish between expression, equation, formulae and identity137Write an expression or formula for problems137Substitute negative numbers into expressions and formulae95Set up simple equations137Change the subject of a formula136, 190Derive a formula137Solve equations involving a single bracket100, 135a, 135bSolve equations with unknowns on both sides100, 135a, 135bSolve equations with negative, decimal or fractional solutions100, 135a, 135bSolve equations gring be bearings120Understand and use 3 figure bearings120Understand and use 3 figure bearings124Interpret distance time graphs6b, 143Interpret distance time graphs37Generate terms in a sequence37Continue a sequence dilagram patterns37Write a term to term rule in a sequence37Gap fill/ Review of papersFind the scale factor of enlarged shapes148Reflect shapes in the x and y axes48Enlarge a shape by a given scale factor148Discrift fully a reflection or rotation48, 49Rotate a shape by a given scale factor148Dirage a shape by a given scale factor148Dirage a shape by a given scale factor148Discrift fully a reflection or rotation <t< td=""></t<>