

Year 10 Nurture Scheme of learning 2023-2024 - Term 1

Stretch key learning in italics

Topic	Key learning	Maths Watch Clip No	☹	😊	☺
Symmetry, Shape and Angles	Recognise and draw lines of symmetry	11			
	Reflect a shape in a given mirror line	48			
	Recognise types of angles	13			
	Use properties of angles (angles on a straight line and around a fixed point)	45			
	<i>Properties of triangles and quadrilaterals</i>	Triangles: 121 & 122			
Types of Number	Identify factors and multiples.	28, HCF: 79 LCM: 80			
	Identify prime numbers less than 100	28			
	<i>Write numbers as products of their prime factors.</i>	78			
Solving Equations	Find the input and output in a number machine	36			
	Solve one step equations	135			
	Solve two step equations	135			
	<i>Solving equations involving brackets</i>	135			
Negative Numbers	Order negative numbers and use the symbols =, ≠, <, >, ≤, ≥ appropriately	2, 5			
	Solve problems involving negative numbers.	23			
	Add, subtract, multiply and divide with negative numbers.	Add/ Subtract: 68a Multiply/Divide: 68b			
October Half Term					
Assessment 1 (topics taught to date)					
Reading Scales	Read and interpret scales involving integers	4			
	Read and Interpret scales involving decimals	4			
	<i>Interpret distance- time graphs</i>	143			
Units	Recognise units of length, mass and capacity	112			
	Convert between metric units	112			
	Estimate length, mass and capacity of objects	91			
	<i>Convert area and volume measures</i>				
Fractions	Recognise equivalent fractions	25			
	Find a fraction of an amount	72			
	Simplify a fraction	26			
	Multiply simple fractions	73			
	<i>Apply four operations to fractions including mixed numbers</i>	Add subtract: 71 Multiply: 73 Divide: 74			
Expressions and Formulae	Substitute positive integers into expressions and formulae	95			
	Solve problems involving BIDMAS	95			
	Write an expression or formula	95			
	Substitute positive and negative numbers into formulae including powers.	95			
	Substitute positive integers into expressions and formulae	95			

Decimals & Rounding	Order decimals	3			
	Round a number to a given decimal place or significant figure	Decimal places: 32 Significant Figures: 90			
	Add and Subtract Decimals	17, 18			
	<i>Multiply and divide decimals</i>	Multiply: 66 Divide: 67			
Christmas holidays					