Y11 Foundation SOW

Y11 Foundation - HT1								
Chapters	Learning Objectives:	Grade	R	Α	G			
	Divide amounts into given ratios	Grade 4	- 1	_^_	-			
Ratio and								
proportion	Solve problems involving ratios.	5						
Porcontogoo	Find the cost per unit mass / mass per unit cost	3						
	Use the unitary method to find which product is better value.	3						
	Convert between currencies and measures.	4						
	Recognise the relationship between speed, distance and time	3						
	Use the formula S = D / T	4						
		- 4						
	Recognise and solve simple problems that involve direct proportion including recipes	4						
	Solve simple problem involving inverse proportion	5						
	Recognise graphs that show direct proportion.	5						
	Calculate a percentage of a quantity	3			_			
Percentages								
	Increase and decrease quantities by a percentage.	4						
	Express one quantity as a percentage of another	3						
	Work out percentage change.	4						
	Calculate simple interest	3						
	Calculate compound interest	4						
	Solve problems involving repeated percentage change.	4						
	Calculate the original amount, given the final amount, after a known percentage	5						
	increase or decrease.							
Fractions	Work out a fraction of a quantity	3						
	Find one quantity as a fraction of another.	3						
	Add and subtract fractions with different denominators including mixed numbers	4						
	Add and subtract fractions with different denominators including mixed numbers	4						
	Multiply / divide fractions including mixed numbers	4						
	Use a calculator to multiply / divide fractions including mixed numbers	4						
	Recognise rational numbers, terminating decimals and recurring decimals.							
	Convert terminating decimals to fractions.	3						
	Find reciprocals of numbers or fractions.	4						
		1						
	Y11 Foundation -HT2							
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Chantore	Learning Objectives:	Grade	R	Δ	G			
Chapters	Learning Objectives: Evnand and simplify brackets such as 2(5y ±3) - 6(y - 5)	Grade	R	Α	G			
Chapters Expressions	Expand and simplify brackets such as 2(5x +3) - 6(x - 5)	4	R	Α	G			
Expressions	Expand and simplify brackets such as 2(5x +3) - 6(x - 5) Factorise an algebraic expression.	4	R	Α	G			
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Expressions	Expand and simplify brackets such as 2(5x +3) - 6(x - 5) Factorise an algebraic expression. Expand two linear brackets to obtain a quadratic expression.	4	R	A	G			
Expressions	Expand and simplify brackets such as $2(5x + 3) - 6(x - 5)$ Factorise an algebraic expression. Expand two linear brackets to obtain a quadratic expression. Factorise a quadratic expression of the form $x^2 + bx + c$ into two linear brackets.	4 4 4 5	R	A	G			
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Expressions Quadratics Linear Equations Linear Inequalities Simultaneous linear equations Chapters Perimeter/area Circles/Sectors	Expand and simplify brackets such as 2(5x +3) - 6(x - 5) Factorise an algebraic expression. Expand two linear brackets to obtain a quadratic expression. Factorise a quadratic expression of the form x² + bx + c into two linear brackets. Solve a quadratic expression of the form x² + bx + c by factorising Solve two step equations Solve equations where the unknown appears on both sides. Set up equations from given information and then solve them. Use a number line to represent negative numbers Compare and order positive and negative numbers. Solve a simple linear inequality and represent it on a number line. Solve simultaneous linear equations using the elimination or the substitution method Solve problems using simultaneous linear equations. Solve simple simultaneous linear equations graphically. Y11 Foundation -HT3 Learning Objectives: Calculate the perimeter and area of a compound shape made from rectangles. Calculate the area of a triangle Calculate the area of a triangle Calculate the area of a trapezium Calculate the area of a circle. Calculate the length of an arc Calculate the area and angle of a sector.	44 44 55 22 22 44 55 55 66 67 67 67 67 67 67 67 67 67 67 67 67	R					
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Y11 Foundation -HT4							
Chapters	Learning Objectives:	Grade	R	Α	G		
Transformations	Translate a 2D shape/describe translations.	3					
	Reflect a 2D shape in a mirror line/describe reflections.	3					
	Rotate a 2D shape about a point/decsibe rotations.	3					
	Enlarge a 2D shape by a positive scale factor/des.	3					
	To understand how to enlarge a shape using the centre of enlargement/describe enlargment	5					
	Use more than one simple transformation.	5					
Similar Shapes	Work out the scale factor between similar shapes	4					
	Use scale drawing	3					
	Use a scale drawing to make estimates.	3					
Pythagoras'	Calculate the length of the hypotenuse or the shorter in a right-angled triangle.	5					
theorem.	Solve problems using Pythagoras' theorem.	5					
Trigonometry - SOH CAH TOA	Use the three trigonometric ratios to find the missing length or angle	5					
	Work out and remember trigonometric values for angles of 30°, 45°, 60° and 90°.	5					
	Solve practical problems using trigonometry	5					
	Solve problems using an angle of elevation or an angle of depression.	5					
	Solve bearing problems using trigonometry.	5					