

Autumn Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	HALF TERM
Topic	Percentages	Percentages	Percentages	Money	Indices	Indices	Equations	Equations	
Challenge Objective and Content (for all learners)	Finding percentages of amounts without a calculator.	Finding percentages of amounts with a calculator.	Percentage change without a calculator. Percentage change with a calculator.	Value for money.	Index rules with positive indices. Index rules with negative indices.	Simplifying expressions using index laws. Simplifying algebraic fractions by cancelling common factors.	Solving equations of the form $(x+a)/b = c$. Solving linear equations involving brackets. Solving equations with the unknown in the denominator.	Solving equations with the unknown on both sides. Constructing and solving equations.	
Inspire Opportunities									
Assessment Opportunities								Progress Check	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	CHRISTMAS
Topic	Sequences	Sequences	Ratio	Ratio	Ratio	Ratio	
Challenge Objective and Content (for all learners)	Term-to-term rules for numerical sequences. Term-to-term rules for sequences of patterns.	Substituting into position-to-term rules. Position-to-term rules for arithmetic sequences. Position-to-term rules for sequences of patterns.	Writing and simplifying ratios. Writing ratios in the form 1:n.	Converting between ratios, fractions and percentages. Using equivalent ratios to find unknown amounts.	Sharing amounts in a given ratio.	Drawing and interpreting scale diagrams.	
Inspire Opportunities							
Assessment Opportunities						Term 1 Assessment	

Spring Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	HALF TERM
Topic	Rounding	Coordinates	Area	Area and Circles	Circles	Standard Form	
Challenge Objective and Content (for all learners)	Rounding integers using significant figures. Rounding decimals using significant figures. Estimating calculations.	Calculating midpoints. Mixed problems: Coordinates and midpoints.	Finding the area of parallelograms. Finding the area of trapeziums.	Converting units of area. Identifying parts of circles.	Finding the circumference of circles. Finding the area of circles.	Using standard form with positive indices. Using standard form with negative indices.	
Inspire Opportunities							
Assessment Opportunities						Progress Check	

	Week 1	Week 2	Week 3	Week 4	Week 5	EASTER
Topic	Venn Diagrams	Venn Diagrams	3D Shapes	Surface Area	Volume	
Challenge Objective and Content (for all learners)	Venn diagrams. Probabilities from Venn diagrams.	Finding the HCF and LCM using prime factor decomposition.	Properties of 3D shapes. Nets of 3D shapes.	Finding the surface area from a net. Finding the surface area of cubes and cuboids. Finding the surface area of prisms.	Finding the volume of cubes and cuboids. Finding the volume of prisms. Converting units of volume.	
Inspire Opportunities						
Assessment Opportunities					Term 2 Assessment	

Summer Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	HALF TERM
Topic	Linear Graphs	Transformations	Angles	Angles	Statistical Diagrams	Statistical Diagrams	
Challenge Objective and Content (for all learners)	Plotting horizontal, vertical and diagonal lines. Plotting straight line graphs. Finding equations of straight line graphs.	Translation. Reflections.	Angles in quadrilaterals. Combining angle facts. Angles on parallel lines.	Using quadrilateral properties to find angles. Angles in polygons.	Drawing pie charts. Interpreting pie charts. Drawing line graphs. Interpreting line graphs.	Drawing stem-and-leaf diagrams. Interpreting stem-and-leaf diagrams. Finding averages from diagrams.	
Inspire Opportunities							
Assessment Opportunities						End of Year Assessment	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	SUMMER
Topic	Inequalities	Brackets	Algebraic Fractions	Algebraic Fractions	Recurring Decimals	Recurring Decimals	
Challenge Objective and Content (for all learners)	Reading and drawing linear inequalities on number lines. Solving single inequalities.	Expanding double brackets.	Fractions Review. Calculating with fractions. Calculating with mixed numbers.	Simplifying algebraic fractions by factorising. Adding and subtracting algebraic fractions.	Using recurring decimal notation.	Converting fractions to recurring decimals.	
Inspire Opportunities							
Assessment Opportunities					Term 3 Assessment		

