Year 8 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Proportional Reasoning						Representations					
	Ratio and scale		Multiplicative change		Multiplying and dividing fractions		Working in the Cartesian plane			Collecting and representing data		Tables
Spring	Algebraic techniques						Developing Number					
	Brackets, equations and inequalities				Sequences	Indices	Fractions and percentages			Standard index form		Number sense
Summer	Developing Geometry						Reasoning with Data					
	Angles in parallel lines and polygons		Area of trapezia and circles		Line symmetry and reflection		The data handling cycle				Measures of location	

Term 2A - Algebraic Techniques

Topic	Small Steps
Brackets, Equations and Inequalities	1) Form Algebraic Expressions
	2) Use directed number with algebra
	3) Multiply out a single bracket
	4) Factorise into a single bracket
	5) Expand and multiply single brackets and simplify
	6) Expand a pair of binomials (H)
	7) Solve equations, including with brackets
	8) Form and solve equations with brackets
	9) Understand and solve simple inequalities
	10) Form and solve inequalities
	11) Solve equations and inequalities with unknowns on both sides (H)
	12) Form and solve equations and ineqaulities with unknowns on both sides (H)
	13) Identify and use formulae, expressions, identities and equations
Sequences	1) Generate sequences given a rule in words
	2) Generate sequences given a simple algebraic rule
	Generate sequences given a complex algebraic rule
	Find the rule for the nth term of a linear sequence (H)
Indices	1) Adding and subtracting expressions with indices
	2) Simplifying algebraic expressions by multiplying indices
	3) Simplifying algebraic expressions by dividing indices
	4) Use the addition law for indices
	5) Use the subtraction law for indices
	6) Explore powers of powers