Revision List Year 9 – AP3		
Topic	**Focus**	**Sparx Clip**
Number	Finding prime numbers	U236
	Finding the lowest common multiple (LCM)	U751
	Using standard form with positive indices	U330
	Using standard form with negative indices	U534
	Index rules with positive indices	M608
	Index rules with negative indices	M150
	Finding factors and using divisibility tests	U211
Calculation	Using the correct order of operations	U976
	Adding and subtracting with negative numbers	U742
	Multiplying and dividing with negative numbers	M288
	Using a written method to multiply integers	M187
	Using a written method to divide integers	U453
	Value for money	M681
	Calculating with roots and powers	U851
	Multiplying and dividing surds	U633
Percentages	Convert between fractions, decimals and percentages	M264
	Finding percentages of amounts without a calculator	U554
	Finding original values in percentage calculations	U286
	Percentage change without a calculator	U773
	Compound interest calculations	U332
Shape	Understanding similarity	U551
	Finding unknown sides in similar shapes	U578
	Understanding congruence	U790
	Congruent triangles	U866
	Nets of 3D shapes	U761
	Properties of 3D shapes	U719
	Perimeter	U993
	Finding the area of circles	U950
	Finding the surface area of prisms	U259
	Finding the volume of cubes and cuboids	U786
	Finding the volume of pyramids	U484
	Angles on a line and about a point	U390
	Angles on parallel lines	U826
	Angles in polygons	U427
	Using Pythagoras' theorem in 2D	U385
	Constructing loci	U820

Transformations	Rotation	M910
	Reflection	M290
	Translation	U196
	Enlargement by a positive scale factor	U519
	Enlargement by a positive or negative scale factor	U134
	Combining transformations	U766
Measures	Estimating and measures	U102
	Converting units of length, mass and capacity	U388
	Calculating with density	U910
	Calculating with speed	U151
	Calculating with rates	U256
Algebra	Solving equations with one or two steps	U755, U325
	Changing the subjects of formulae	U556
	Reading and drawing inequalities on number lines	U509
	Plotting straight line graphs	U741
	Interpreting equations of straight-line graphs	U669
	Solving simultaneous equations graphically	U836
	Interpreting graphs of quadratic functions	U667
	Writing algebraic proofs	U582
	Calculating with ratios and algebra	U676
Probability	Writing probabilities as fractions, decimals and percentages	M938
	Probability of mutually exclusive events	M755
	Independent events	U558
	Expected results from repeated experiments	U166
	Tree diagrams for independent events	U558
	Sample space diagrams	M718