		Year 9	I feel confident in…	I need to work on…
Summer	Sequences	Fibonacci, arithmetic sequences, triangular, square and cube sequences, diagrams, nth term, continue a geometric sequence, **quadratic sequences, finite/infinite, ascending, descending**		
	Straight Line Graphs	Co-ordinates, plot and draw lines, y=x, y=a, x=a, table of values, y=mx + c, rearranging equations		
	Non-Linear Graphs	Quadratic graphs, cubic graphs, reciprocal		
	Co-ordinate Geometry	Problem solving with co-ordinates, including midpoints, given gradient and given two points, **circle graphs, equations of parallel and perpendicular lines**		
	Real life graphs	Draw and interpret graphs in context of real life problems, interpret gradients		
	Graphs	**Quadratics, simultaneous equations, inequalities, reciprocal graphs, exponential graphs, gradient and area under graphs**		
	Solving Quadratics and Iteration	**Solve quadratics by factorising, completing the square and quadratic formula, iteration**		
	Simultaneous Equations	Form and solve linear simultaneous equations, **non-linear simultaneous equations**		
	Compound Measures	Density, pressure, speed convert between measurements		
	Probability	Probability scale, theoretical probability, experimental probability, problem solving, probability trees, **tree diagrams, conditional and experimental probability**		
	Averages	Mean, median, mode, range, averages from a frequency table, grouped data frequency table, averages from charts and graphs		
	Frequency Diagrams	Frequency polygons, frequency diagrams		