	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Learning covered this term:	**16 Quadratic equations and graphs** 16.1 Expanding double brackets 16.2 Plotting quadratic graphs 16.3 Using quadratic graphs 16.4 Factorising quadratic expressions 16.5 Solving quadratic equations algebraically **17 Perimeter, area and volume 2** 17.1 Circumference of a circle 1 17.2 Circumference of a circle 2 17.3 Area of a circle 17.4 Semicircles and sectors 17.5 Composite 2D shapes and cylinders 17.6 Pyramids and cones 17.7 Spheres and composite solids	**18 Fractions, indices and standard form** 18.1 Multiplying and dividing fractions 18.2 The laws of indices 18.3 Writing large numbers in standard form 18.4 Writing small numbers in standard form 18.5 Calculating with standard form **19 Congruence, similarity and vectors** 19.1 Similarity and enlargement 19.2 More similarity 19.3 Using similarity 19.4 Congruence 1 19.5 Congruence 2 19.6 Vectors 1 19.7 Vectors 2	**20 More algebra** 20.1 Graphs of cubic and reciprocal functions 20.2 Non-linear graphs 20.3 Solving simultaneous equations graphically 20.4 Solving simultaneous equations algebraically 20.5 Rearranging formulae 20.6 Proof	REVISION OF WEAK TOPICS IDENTIFIED IN MOCK EXAM THROUGH QUESTION LEVEL ANALYSIS. INDIVIDUAL PERSONAL LEARNING CONTRACTS ISSUED TO STUDENTS		
Assessment will be	Pre and post topic test.	Pre and post topic test. November Mock. – 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator	Pre and post topic test. Term assessment. March Mock. – 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator		FINAL EXAM— 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator	
Revision & How to prepare	Link to Frog for resources/websites to revise websites. online– Mymaths, Pixl maths app, samlearning corbettmaths. Mathsgenie,. mathswatch, all have online activities with worksheets paired for self assessment					
Further Reading	Names of texts Pearsons- GCSE 9-1 Foundation http://www.pearsonschoolsandfecolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year GCSE 9-1 Scheme of Work, foundation GCSE					

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Learning covered this term:	**16 Circle theorems** 16.1 Radii and chords 16.2 Tangents 16.3 Angles in circles 1 16.4 Angles in circles 2 16.5 Applying circle theorems **17 More algebra** 17.1 Rearranging formulae 17.2 Algebraic fractions 17.3 Simplifying algebraic fractions 17.4 More algebraic fractions 17.5 Surds 17.6 Solving algebraic fraction equations 17.7 Functions 17.8 Proof	**18 Vectors and geometric proof** 18.1 Vectors and vector notation 18.2 Vector arithmetic 18.3 More vector arithmetic 18.4 Parallel vectors and collinear points 18.5 Solving geometric problems	**19 Proportion and graphs** 19.1 Direct proportion 19.2 More direct proportion 19.3 Inverse proportion 19.4 Exponential functions 19.5 Non-linear graphs 19.6 Translating graphs of functions 19.7 Reflecting and stretching graphs of functions	REVISION OF WEAK TOPICS IDENTIFIED IN MOCK EXAM THROUGH QUESTION LEVEL ANALYSIS. INDIVIDUAL PERSONAL LEARNING CONTRACTS ISSUED TO STUDENTS		
Assessment will be	Pre and post topic test.	Pre and post topic test. November Mock. 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator	Pre and post topic test. Term assessment. March Mock. – 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator		FINAL EXAM— 3 papers 1½ hours 80 marks each. 1x non-calculator, 2x Calculator	
Revision & How to prepare	Link to Frog for resources/websites to revise websites. online– Mymaths, Pixl maths app, samlearning corbettmaths. Mathsgenie,. mathswatch, all have online activities with worksheets paired for self assessment					
Further Reading	Names of texts Pearsons- GCSE 9-1 Higher http://www.pearsonschoolsandfecolleges.co.uk/Secondary/Mathematics-support/Schemes-of-Work/GCSE-Schemes-of-Work.aspx 2 year GCSE 9-1 Scheme of Work, Higher GCSE					