Long Term Plan: Y10 Maths

	W/B 10/09	W/B 17/09	W/B 24/09	W/B 01/10	W/B 08/10	W/B 15/10	W/B 29/10	W/B 05/11	W/B 12/11	W/B 19/11	W/B 26/11	W/B 03/12	W/B 10/12	W/B 17/12
Term 1	Basic number skills - Including 4 operations with decimals and fractions	Working with indices. Will include negative and fractional indices	Multiples and factors and knowledge of prime numbers. HCF and LCM	Standard form and calculations involving surds	Basic algebra - Solving equations. Angles introduction with use of parallel lines	Revision and final topics from PLC & final end of term assessment. Feed forward lesson	Problem solving and basic understanding of ratio	Averages and repeated mean prolems	Drawing and interpretation of histograms and frequency polygons	Functions - Inverse and composite	Quadratics - simplifying and solving equations	Fractions recap - working with recurring decimals and fractions	Changing the subject of a formula	Revision and final topics from PLC & final end of term assessment. Feed forward lesson

	W/B 31/12	W/B 07/01	W/B 14/01	W/B 21/01	W/B 28/01	W/B 04/02	W/B 11/02	W/B 25/02	W/B 04/03	W/B 11/03	W/B 18/03	W/B 25/03	W/B 01/04	W/B 08/04
Term 2	Substitution and recap of rearranging formulae	SOHCAHTOA and trig problems - Problem solving	Velocity - time graphs and trapezium rule	Average speed problems. Graphs and gradients	Volume and surface area of 3d shapes	Revision and final topics from PLC & final end of term assessment. Feed forward lesson	Upper and lower bounds and exam style problems	Transformations of shapes - including mixed problems	Recap of factorising and quadratics - extend to completing the square	Simultaneous equations - linear and quadratic	Probability tree diagrams. Venn diagrams and 2 way tables	Revision and final topics from PLC & final end of term assessment. Feed forward lesson	Understanding how to draw and interpret histograms	Expanding brackets and algebra recap

	W/B 29/04	W/B 06/05	W/B 13/05	W/B 20/05	W/B 03/06	W/B 10/06	W/B 17/06	W/B 24/06	W/B 01/07	W/B 08/07	W/B 15/07			
Term 3	Iteration exam style problems	Similar triangles and similar shapes and use of scale factors. Areas and volumes	Direct and inverse proportion problems.	Revision and final topics from PLC & final end of term assessment. Feed forward lesson	Algebraic fractions including simplifying and solving	Recap changing the subject of a formula	Circle theorems including proof as extension	Revising functions and iteration	Vectors and exam revision	Exam paper revision	Final year exams			

For information on assessments see aditional assessment guidance